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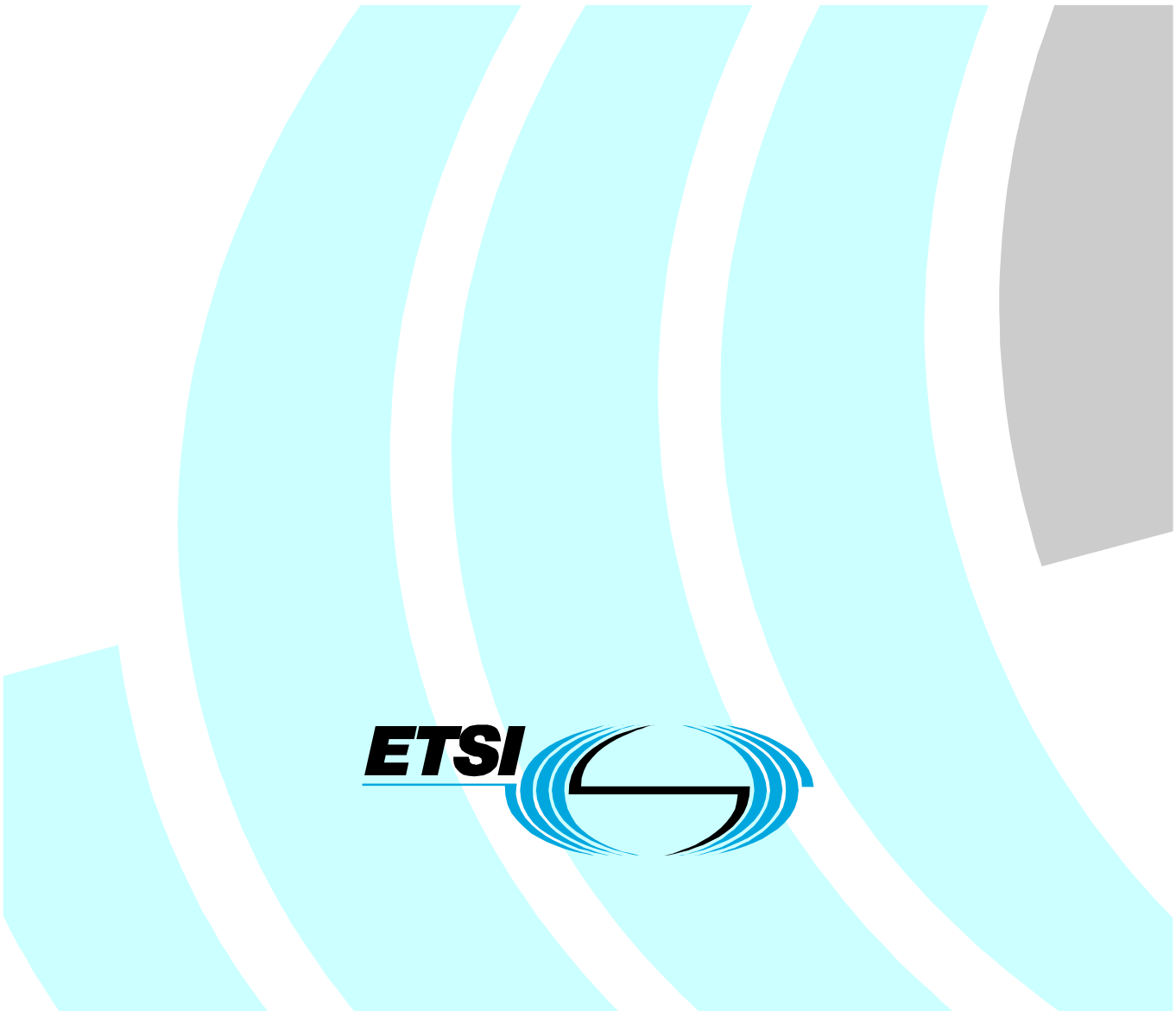
Technical Specification

**Services and Protocols for Advanced Network (SPAN);
Network integration testing of
Universal Mobile Telecommunications System (UMTS)
with Global System for Mobile Communication (GSM)
Phase 2 +, Public Switched Telephone Network (PSTN)
and Integrated Services Digital Network (ISDN);
Part 1: Test Suite Structure and Test purposes (TSS&TP)**



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ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N∞348 623 562 00017 - NAF 742 C
Association ‡ but non lucratif enregistrÈe ‡ la
Sous-PrÈfecture de Grasse (06) N∞7803/88

Contents

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document was developed by EURESCOM P1106 as Deliverable 2 Volume 2 and made freely and publicly available to ETSI TC SPAN for publication.

The present document is part 1 of a multi-part deliverable covering the Network integration of UMTS with GSM Phase 2 +, PSTN and ISDN as identified below:

Part 1: "Test Suite Structure and Test Purposes (TSS&TP)";

Part 2: "Abstract Test Suite (ATS), Implementation Conformance Statement (ICS) and partial Implementation eXtra Information for Testing (IXIT) proformas".

Introduction

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing for the European ISDN and PLMN, covering Network Integration Testing (NIT) between ISDN-UMTS, UMTS-PSTN, UMTS-GSM, and UMTS-UMTS networks. The objective is to verify the level of international or national end-to-end support of ISDN and PLMN services. All bearer services (and associated teleservices) and supplementary services are checked for interworking capability and compatibility, in the European ISDN and PLMN.

1 Scope

The present document specifies of Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of UMTS, GSM, ISDN and non-ISDN (PSTN) over the national or international ISUP between networks. Network Integration Testing will assure that the appropriate requested features passes between an ISDN subscriber and the mobile subscriber across the national or international ISUP (ISUP V2) interface.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

[1] ETSI EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".

[2] ETSI EN 300 267-1: "Integrated Services Digital Network (ISDN); Telephony 7 kHz, videotelephony, audiographic conference and videoconference teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[3] ETSI ETS 300 080: "Integrated Services Digital Network (ISDN); ISDN lower layer protocols for telematic terminals".

[4] ETSI ETS 300 103: "Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN Synchronous and asynchronous terminal adaptation functions ".

[5] ETSI EN 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[6] ETSI ETS 300 092-1/A2: "Integrated Services Digital Network (ISDN);Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol;Part 1: Protocol specification".

[7] ETSI EN 300 093-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[8] ETSI EN 300 097-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[9] ETSI ETS 300 097-1/A1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[10] ETSI EN 300 098-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Restriction (COLR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[11] ETSI EN 300 138-1: "Integrated Services Digital Network (ISDN); Closed User Group (CUG) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[12] ETSI EN 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[13] ETSI EN 300 055-1: "Integrated Services Digital Network (ISDN); Terminal Portability (TP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[14] ETSI EN 300 286-1: "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[15] ETSI EN 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[16] ETSI EN 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary services; Digital Subscriber Signalling System No. One (DSS1); Part 1: Protocol specification".

[17] ETSI EN 300 130-1: "Integrated Services Digital Network (ISDN); Malicious Call Identification (MCID) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[18] ETSI EN 300 188-1: "Integrated Services Digital Network (ISDN); Three-Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[19] ETSI EN 300 141-1: "Integrated Services Digital Network (ISDN); Call Hold (HOLD) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[20] ETSI EN 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[21] ETSI EN 300 356-15: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP) version 4 for the international interface; Part 15: Diversion supplementary service [ITU-T Recommendation Q.732, clauses 2 to 5 (1999) modified]".

[22] ETSI EN 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[23] ETSI EN 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[24] ITU-T Recommendation E.164:" The international public telecommunication numbering plan".

[25] ISO/IEC 9646-1: "Information Technology-Open Systems Interconnection- Conformance testing methodology and framework, Part 1: General Concepts".

[26] ETSI TS 100 548 (GSM 03.88): "Digital cellular telecommunications system (Phase 2+) (GSM); Call Barring (CB) supplementary services - Stage 2 (GSM 03.88 Release 1998)".

[27] ITU-T Recommendation Q.699: "Interworking between the digital Subscriber Signalling System Layer 3 protocol and the Signalling System No.7 ISDN User part".

[28] ITU-T Recommendation Q.764: "Signalling System No. 7-ISDN User Part signalling procedures".

[29] ETSI TS 122 082: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 1 (3GPP TS 22.082 Release 5)".

[30] ETSI TS 122 084: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) supplementary service; Stage 1 (3GPP TS 22.084 Release 5)".

[31] ETSI TS 122 085: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary services; Stage 1 (3GPP TS 22.085 Release 5)".

[32] ETSI TS 123 034: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 2 (3GPP TS 23.034 Release 5)".

[33] ETSI TS 123 081: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 2 (3GPP TS 23.081 Release 5)".

[34] ETSI TS 123 082: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 2 (3GPP TS 23.082 Release 5)".

[35] ETSI TS 123 083: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 (3GPP TS 23.083 Release 5)".

[36] ETSI TS 123 084: "Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) Supplementary Service; Stage 2 (3GPP TS 23.084 Release 5)".

[37] ETSI TS 123 085: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) Supplementary Service; Stage 2 (3GPP TS 23.085 Release 5)".

[38] ETSI TS 123 087: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) supplementary service; Stage 2 (3GPP TS 23.087 Release 5)".

[39] ETSI TS 123 088: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) Supplementary Service; Stage 2 (3GPP TS 23.088 Release 5)".

[40] ETSI TS 124 008: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Mobile radio interface Layer 3 specification; Core network protocols; Stage 3 (3GPP TS 24.008 Release 5)".

[41] ETSI TS 124 011: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface (3GPP TS 24.011 Release 5)".

[42] ETSI TS 124 081: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Line Identification Supplementary Service; Stage 3 (3GPP TS 24.081 Release 5)".

[43] ETSI TS 124 082: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding supplementary service; Stage 3 (3GPP TS 24.082 Release 5)".

[44] ETSI TS 124 083: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3 (3GPP TS 24.083 Release 5)".

[45] ETSI TS 124 085: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) Supplementary Service; Stage 3 (3GPP TS 24.085 Release 5)".

[46] ETSI TS 124 087: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Stage 3 (3GPP TS 24.087 Release 5)".

[47] ETSI TS 124 093: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Completion to Busy Subscriber (CCBS); Stage 3 (3GPP TS 24.093 Release 5)".

[48] ETSI TS 129 007: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (3GPP TS 29.007 Release 5)".

[49] ETSI TS 127 001: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (3GPP TS 27.001 Release 5)".

[50] ETSI TS 129 002: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Mobile Application Part (MAP) specification (3GPP TS 29.002 Release 5)".

[51] ETSI EN 300 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); Digital cellular telecommunications system (Phase 2); Application of ISDN User Part (ISUP) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.12)".

[52] ETSI TS 122 086: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 1 (3GPP TS 22.086 Release 5)".

[53] ETSI TS 122 003: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Circuit Teleservices supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.003 Release 5)".

[54] ETSI ETS 300 604: "Digital cellular telecommunications system (Phase 2) (GSM); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (GSM 09.07)".

[55] ETSI EN 300 001: "Attachments to the Public Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".

[56] ETSI ETS 300 648: "Public Switched Telephone Network (PSTN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".

[57] ETSI EN 300 659: "Access and Terminals (AT); Analogue access to the Public Switched Telephone Network (PSTN); Subscriber line protocol over the local loop for display (and related) services".

[58] ITU-T Recommendation Q 735: "Stage 3 description for community of interest supplementary services using Signalling System No. 7".

[59] ETSI TBR 008: "Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice; Attachment requirements for handset terminals".

[60] ETSI EG 201 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".

[61] ETSI ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

[62] ETSI ETS 300 511: "European digital cellular telecommunications system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS) (GSM 02.30)".

[63] ETSI ETS 300 649: "Public Switched Telephone Network (PSTN); Calling Line Identification Restriction (CLIR) supplementary service; Service description".

[64] ETSI ETR 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".

[65] ITU-T Recommendation E.163: "Numbering plan for the international telephone service".

[66] ETSI ETS 300 577: "Digital cellular telecommunications system (Phase 2) (GSM); Radio transmission and reception (GSM 05.05)".

[67] ETSI EN 302 646-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; Digital cellular telecommunications system (Phase 2+); Application of ISDN User Part (ISUP) version 3 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 1: Protocol specification (GSM 09.14 Release 1998)".

[68] ETSI ETS 300 196: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol".

[69] ITU-T Recommendation Q.734.1: "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Conference calling".

[70] ETSI EN 300 065-1: "ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Part 1: Technical characteristics and methods of measurement".

[71] ETSI EN 300 646: "Integrated Services Digital Network (ISDN); Signalling System No.7; signalling interface".

[72] ETSI EN 300 065: "ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX)".

3 Definitions

3.1 Definitions related to conformance testing

For the purposes of the present document, the following terms and definitions apply:

Abstract Test Case (ATC): Refer to ISO/IEC 9646-1 [25].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [25].

Implementation Conformance Statement (ICS) proforma: Refer to ISO/IEC 9646-1 [25].

Implementation eXtra Information for Testing (IXIT) proforma: Refer to ISO/IEC 9646-1 [25].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [25].

lower tester: Refer to ISO/IEC 9646-1 [25].

point of control and observation: Refer to ISO/IEC 9646-1 [25].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [25].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [25].

System Under Test (SUT): Refer to ISO/IEC 9646-1 [25].

test purpose: Refer to ISO/IEC 9646-1 [25].

3.2 Definitions related to test purpose descriptions

For the purposes of the present document, the following terms and definitions apply:

Alternate speech and facsimile group 3 (TS 61): tteleservice which allows the connection of ITUgroup 3 fax apparatus (send and/or receive) to the mobile stations of a GSM PLMN

NOTE: Facsimile connections may be established to/from group 3 apparatus in the PSTN, ISDN or GSM PLMN.

Alternate Speech/Data: provides the capability to swap between speech and data during a call

NOTE 1: If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used for the duration of the call.

NOTE 2: The access interface at the mobile station for the data portion is assumed to be a standard data interface. Some means must be provided to select the speech/data capability.

Automatic Facs. group 3 (TS 62): teleservice which allows connection of ITUgroup 3 fax apparatus to and from the mobile stations of a GSM PLMN

NOTE: Facsimile connections may be established to and from group 3 apparatus in the PSTN, ISDN or GSM PLMN.

BC=speech: Bearer Capability information element with its information transfer capability field set to "speech" and its user information layer one protocol field set to "G.711 A-law"

BC=3,1 kHz audio: Bearer Capability information element with its information transfer capability field set to "3,1 kHz Audio" and its user information layer one protocol field set to "G.711 A-law"

BC=UDI: Bearer Capability information element with its information transfer capability set to "unrestricted digital information"

BC=UDI/TA: Bearer Capability information element with its information transfer capability set to "unrestricted digital information with tones/announcements" and its user information layer one protocol field set to "Recommendations H.221 and H.242"

BC=V110/X30: Bearer Capability information element with its information transfer capability set to "unrestricted digital information" and its user information layer 1 field set to "ITUstandardized rate adaption V.110/X.30", including sync/async and user rate values

CF active: Call Forwarding (U, B or NR) supplementary service already activated with the address of user C

CUG default request: the Calling User does not include in the outgoing SETUP message a explicit request for the CUG supplementary service

GSM-BC=3,1kHz (External to the PLMN): used to select a "3,1 kHz audio" interworking function at the MSC

NOTE 1: This service category is used when interworking with the ISDN or PSTN "3,1 kHz audio" service and includes the capability to select a modem at the interworking function.

NOTE 2: "External to the PLMN" indicates that the "3,1 kHz audio" service is only used outside of the PLMN, in the ISDN/PSTN. The connection within the PLMN, user access point to the interworking function, is an unrestricted digital connection.

GSM-BC=Speech (TS 11): service which provides the transmission of speech information and audible signalling tones of the PSTN/ISDN

NOTE: In the GSM PLMN and the fixed network processing technique appropriate for speech such as analogue transmission, echo cancellation and low bit rate voice encoding may be used.

GSM-BC=UD: Unrestricted Digital Information (UDI) which provides the transfer of unrestricted digital information

GSM-Bearer service categories: all bearer service categories provide information transfer between R/S reference points and allow the use of sub-rate information streams which are rate adapted

GSM teleservices: teleservices supported by a GSM PLMN described by a number of attributes which are intended to be largely independent

NOTE: They are grouped into five categories: - High layer attributes-Low layer attributes (describing the Bearer capabilities which support the Teleservice). - information transfer attributes, - access attributes. - General attributes

HLC = Facsimile G2/G3: High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (Rec. F.182)"

HLC = facsimile group 4: High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 4 class 1"

HLC = telephony: High Layer Compatibility information element with its high layer characteristics identification field set to "telephony"

HLC = telex: High Layer Compatibility information element with its high layer characteristics identification field set to "telex"

HLC = videotelephony_ic: High Layer Compatibility information element with its high layer characteristics identification field set to "videotelephony" and its extended audiovisual characteristics field set to "capability set of initial channel of Rec. H.221"

NOTE: See ITU-T Recommendation F.721.

LLC = telematic_term: Low Layer Compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 DTE-DTE operation" and user information layer 3 field indicating "ISO/IEC 8208"

LLC = V110/X30: Low Layer Compatibility information element with its user information layer 1 field indicating "ITUstandardized rate adaption V.110/X.30" and including sync/async and user rate values

LLC = voice band data via modem: Low Layer Compatibility information element with its user information layer 1 field indicating a "modem type" coding

speech followed by data: provides a speech connection first and then at some time while the call is in progress, the user can switch to a data connection

NOTE: The user cannot switch back to speech after the data portion. If either the speech or data portion of the call requires a full rate channel, a full rate channel shall be used from the start of the call. The network may then change to a half rate channel for the data portion.

UI length = 32: length of the User Information field of the User-user information element, which is 35 octets

4 Abbreviations

For the purpose of the present document the following abbreviations apply:

ATS	Abstract Test Suite
3PTY	Three-ParTY conference
AIN	Advanced Intelligent Network
AMPS	Advanced Mobile Phone Service
ANSI	American National Standards Institute
BC	Bearer Capability information element
BNF	Backus-Naur Form
BS	Base Station
BSC	Base Station Controller
BSG	Basic Service Group
BSS	Base Station Sub-system
BSS	Base Station System
BSSMAP	BSSMAnagement Part

BTS	Base Transceiver Station
CAMEL	Customized Applications for Mobile network Enhanced Logic
CD	Call Deflection
CDMA	Code Division Multiple Access
CFB	Call Forwarding Busy
CFNR	Call Forwarding No Response
CFNRc	Call Forwarding on mobile subscriber Not Reachable
CFNRy	Call Forwarding on No ReplY
CFU	Call Forwarding Unconditional
CI	CUG Index
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
CN	Core Network
COLP	COnnected Line identification Presentation
COLR	COnnected Line identification Restriction
CONF	CONFerence (add-on)
CS1	Capability Set-1
CUG	Closed User Group
CW	Call Waiting
DECT	Digital Enhanced Cordless Telecommunications
DHCP	Dynamic Host Configuration Protocol
DTAP	Direct Transfer Application Part
ECT	Explicit Call Transfer
ESR	Eroded Seconds Ratio
FE	Functional Entity
FPH	FreePHone service
FPLMTS	Future Public Land Mobile Telecommunication Systems
FTAM	File Transfer Access & Management
GGSN	Serving GPRS Support Node
GII	Global Information Infrastructure
GK	GateKeeper
GMSC	Gateway MSC
GSM	Global System for Mobile communication
GW	GateWay
H/V-PLMN	Home/Visited PLMN
HLC	High Layer Compatibility information element
HLR	Home Location Register
HPLMN	Home Public Land Mobile Network
IA	Incoming Access
ICB	Incoming Calls Barred within a CUG
IMSI	International Mobile Subscriber Identity
IMT-2000	International Mobile Telecommunications ñ 2000
IMUI	International Mobile User Identity
IN	Intelligent Network
INAP	Intelligent Network Application Part
IP	Internet Protocol
IPCP	IP Control Protocol
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
IUT	Implementation Under Test
IWF	InterWorking Function
IWMSC	InterWorking Mobile Switching Centre
LAN	Locale Access Network
LLC	Low Layer Compatibility information element
MAP	Mobile Application Part
MCID	Malicious Call IDentification
MCU	Multipoint Control Unit
MD-BS	Mobile Data Base Station
MD-IS	Mobile Data Intermediate System
M-ES	Mobile End System
MexE	Mobile station (application) execution Environment
MGK	Mediation GateKeeper

MIN	Mobile Identification Number
M-INAP	CAMEL Application Part = IN CS-1 Core INAP for CAMEL
MMC	Mobile to Mobile Call
MOC	Mobile Originated Call
MPLMN	PLMN responsible for the Management of a CUG spanning over several PLMNs
MS	Mobile Station
MS	Mobile Subscriber
MSC	Mobile Switching Center
MSISDN	Mobile Station ISDN number
MSRN	Mobile Station Roaming Number
MT	Mobile Terminal
MT	Mobile Terminated
MTC	Mobile Terminated Call
MTP	Message Transfer Part
NAMPS	Narrowband Advanced Mobile Phone Service
NIT	Network Integration Testing
NNI	Network to Network Interface
NPA	Numbering Plan Area (area code) used in the north america dialling plan
NPI = unknown	Numbering Plan Identification coded as "unknown"
NSS	Network Sub System
OCB	Outgoing Calls Barred within a CUG
ONP	Open Network Provision
OSI	Open Systems Interconnection
PC	Preferential CUG
PCCH	Paging Control CHannel
PCS	Personal Communications Service (system)
PDN	Public Data Network
PDP	Packet Data Protocol
PI	Presentation Indicator
PI = PR	Presentation Indicator coded as "Presentation Restricted"
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
PLMN	Public Land Mobile Network
PPP	Point to Point Protocol
PRA	Primary Rate Access
PSTN	Public Switched Telephone Network
QoS	Quality of Service
RADIUS	Remote Authentication Dial In User Service
RAN	Radio Access Network
RAS	Registration, Admission and Status
RTP	Real-time Transport Protocol
SCCP	Signaling Connection and Control Part
SCF	Service Control Function
SCN	Switched Circuit Networks
SCP	Service Control Point
SDP	Session Description Protocol
SESr	Severely Eroded Seconds
SGSN	Serving GPRS Support Node
SI	Screening Indicator
SI = NP	Screening Indicator coded as "Network Provided"
SI = UPVP	Screening Indicator forwarded to the served user coded as "User-Provided, Verified and Passed"
SIM	Subscriber Identification Module
SME	Service Mediation Environment
SMS	Short Message Service
SS	Supplementary Service
SS7	Signalling System number 7
SSP	Service Switching Point
SUB	SUBaddressing
TC	Test Case
TCAP	Transaction Capabilities Application Part
TCP/IP	Transmission Control Protocol/Internet Protocol
TD-CDMA	Time Division Code Division Multiple Access

TDMA Time Division Multiple Access
TMSI Temporary Mobile Subscriber Identity
TON Type Of Number
TON = international Type Of Number coded as "international"
TON = unknown Type Of Number coded as "unknown"
TP Terminal Portability
TP Test Plant
TSS Test Suite Structure
TSS&TP Test Suite Structure and Test Purposes
TUP Telephony User Part
UD Unrestricted Digital information
UDñTA Unrestricted Digital information with Tones/Announcements
UDP User Datagram Protocol
UIM User Identity Module
UMTS Universal Mobile Telecommunications System
UNI User to Network Interface
UPT Universal Personal Telecommunications
UTRAN UMTS Terrestrial Radio Access Network
UUS User-to-User Signalling
UUS1 UUS service 1
UUS2 UUS service 2
UUS3 UUS service 3
VHE Virtual Home Environment
VLR Visitor Location Register
VPLMN Visited Public Land Mobile Network
WCDMA Wideband CDMA
WIN Wireless Intelligent Network
XDSL X Digital Subscriber Line

5 Numbering Scheme

Pos. 1: Network of the A-Subscriber
Pos. 2: Network of the B-Subscriber
Pos. 3: Network of the C-Subscriber
Pos. 4: Network of the D-Subscriber
Pos. 5: Network of the E-Subscriber

The following Network Codes apply:

_:No such network used (used e.g. for C-Subscriber in successful A to B Calls)

(underscore makes it easier to read the name)

P: PSTN
I: ISDN
G: GSM (w/HCSCD & GPRS)
E: EDGE
U: UTRAN (UMTS)
N: IP Network

(Extensions will be added when needed)

Pos. 6 and 7: Bearer-or Teleservice involved

xx: defined per PIXIT value

NOTE: This may be appropriate for Test Purposes (provided the Test Purpose states for which Bearer-and/or Tele Services it should be tested). It is however NOT appropriate for Test Cases since it would be detrimental to Test Automation

SP: Speech
AU: 3,1 kHz Audio
UD: UDI
UT: UDI/TA
FX: Facsimile G3
AF: Alternate speech and facsimile group 3
AD: Alternate Speech/Data (S&D)

(use of & should be avoided due to its special meaning to UNIX systems)

FD: Speech followed by data (SfD)
EC: Emergency Calls (EmC)
HA: HSCSD ñ 3,1 kHz audio
HU: HSCSD ñ UDI

Packet Services

PP: SMS-PP
CB: SMS-CB
GI: GPRS (IP)
NT: IP Network TCP
NU: IP Network UDP

Pos. 8 and 9:

__: No Supplementary Services Involved/Successful
_U: No Supplementary Services Involved/Unsuccessful
SS: Supplementary Services Involved
SI: Supplementary Services interaction
SN: Nonsymmetrical Supplementary Services Involved
ST: Supplementary Services transparent

Other services

O_: No Supplementary Services Involved/Basic Call Successful/Other services
OU: No Supplementary Services Involved/Basic Call Unsuccessful/Other services
OS: Supplementary Services Involved/Other services
OI: Supplementary Services interaction/Other services
ON: Non symmetrical Supplementary Services Involved/Other services
OT: Supplementary Services not impact by IN/Other services

Pos. 10 to 20: YYYY Name of individual Test Group (if needed) If supplementary services are involved the following codes are used.

Services	Name of individual Test Group
3PTY	3PTY
Call Barring services	CBS
Call Barring services outgoing	CBSo
CCBS	CCBS
CD	CD
CFB	CFB
CFNR	CFNR
CFU	CFU
CLIP	CLIP
CLIR	CLIR
COLP	COLP
COLR	COLR
CONF	CONF
CUG	CUG
CW	CW
ECT	ECT
HOLD	HOLD
MCID	MCID
MPTY	MPTY
SUB	SUB
TP	*TP*
UUS1	UUS1
UUS1 implicit	UUS1i
UUS1 explicit	UUS1e

Pos. Last two positions XX Number of individual Test Purpose

EXAMPLES:

Basic Call

Speech IU___SP__xx

1	2	3	4	5	6	7	8	9	10	11
I	U	_	_	_	S	P	_	_	x	x

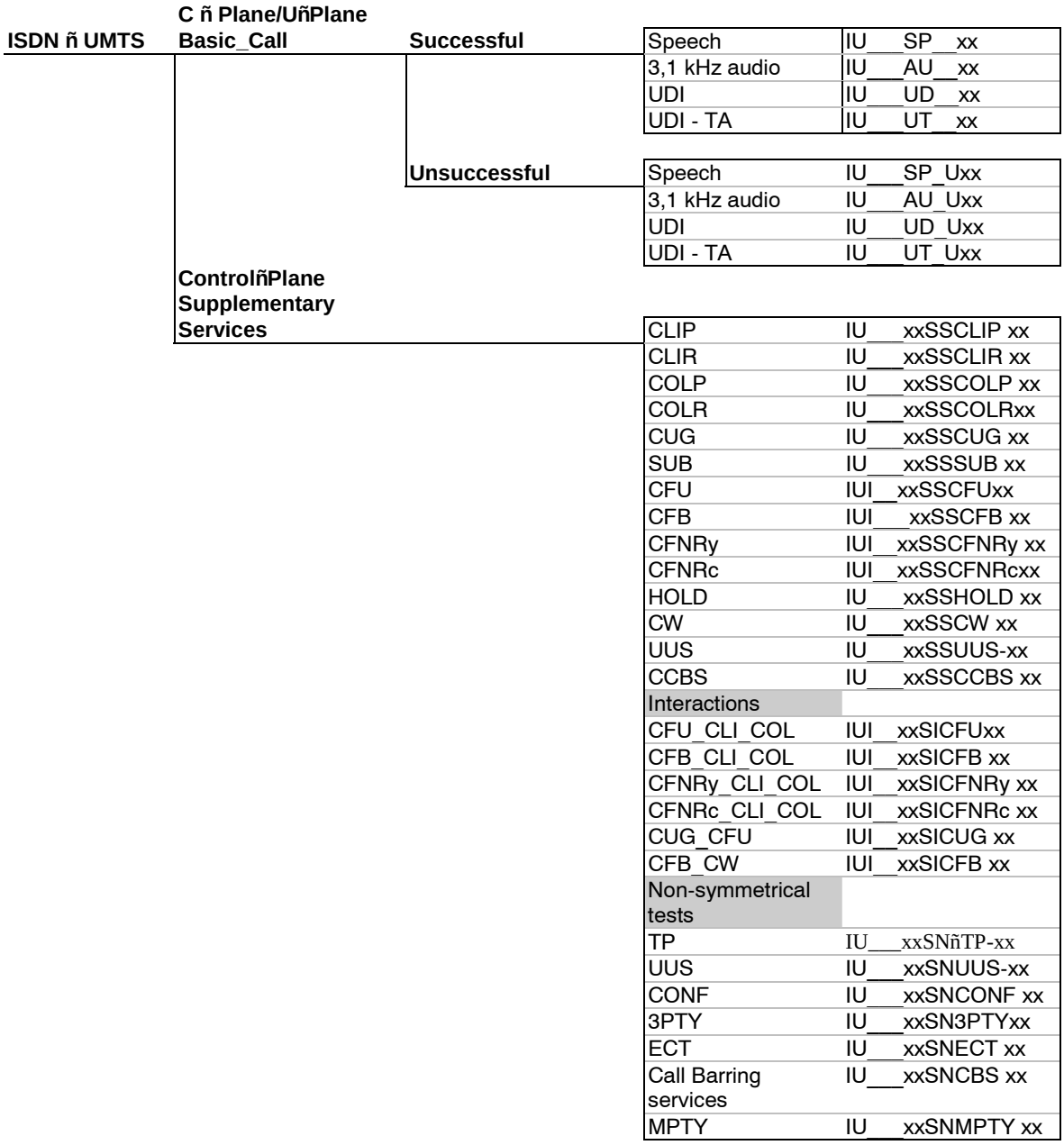
Supplementary Services

CLIP IU___xxSSCLIP xx

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
I	U	_	_	_	X	X	S	S	C	L	I	P	x	x

6 Test Suite Structure (TSS)

6.1 ISDN to UMTS



6.2 UMTS to ISDN

UMTS ñ ISDN

C ñ Plane/UñPlane Basic_Call

Successful

Speech	UI___SP__xx
3,1 kHz audio ex PLMN	UI___AU__xx
UDI	UI___UD__xx
Facsimile G3	UI___FX__xx
Alternate speech and facsimile group 3	UI___AF__xx
Alternate Speech/Data	UI___AD__xx
Speech followed by data	UI___FD__xx
Emergency Calls	UI___EC__xx

Unsuccessful

Speech	UI___SP_Uxx
3,1 kHz audio ex PLMN	UI___AU_Uxx
UDI	UI___UD_Uxx
Facsimile G3	UI___FX_Uxx
Alternate speech and facsimile group 3	UI___AF_Uxx
Emergency Calls	UI EC Uxx

ControlñPlane Supplementary Services

CLIP	UI___xxSSCLIP xx
CLIR	UI___xxSSCLIR xx
COLP	UI___xxSSCOLP xx
COLR	UI___xxSSCOLR xx
CUG	UI___xxSSCUG xx
SUB	UI___xxSSSUB xx
CFU	UIU__xxSSCFUxx
CFB	UIU__xxSSCFB xx
CFNR	UIU__xxSSCFNR xx
HOLD	UI___xxSSHOLD xx
CW	UI___xxSSCW xx
UUS	UI___xxSSUUS xx
CCBS	UI___xxSSCCBS xx
Interactions	
CFU_CLI_COL	UI___xxSICFUxx
CFB_CLI_COL	UI___xxSICFB xx
CFNRy_CLI_COL	UI___xxSIFNRyxx
CFNRc_CLI_COL	UI___xxSIFNRcxx
CUG_CFU	UI___xxSICUG xx
CFB_CW	UI___xxSICFB xx
Non-symmetrical tests	
Call Barring services	UI___xxSNCBS xx
CD	UI xxSNCD xx

6.3 PSTN to UMTS

PSTNñUMTS	**C ñ Plane/UñPlane Basic_Call**	**Successful**		PU___AU__xx
		Unsuccessful		PU___AU_Uxx
	ControlñPlane Supplementary Services		CLIP	PU___xxSSCLIP xx
			CLIR	PU___xxSSCLIR xx
			CUG	PU___xxSSCUG xx
			CFU	PU___xxSSCFUxx
			CFB	PU___xxSSCFB xx
			CFNRy	PU___xxSSCFNRy xx
			CFNRc	PU___xxSSCFNRcx x
			CCBS	PU___xxSSCCBS xx
			non-symmetrical tests	
			Call Barring services	PU___xxSNCBS-xx
			MPTY	PU___xxSNMTPYxx

6.4 UMTS to PSTN

UMTS-PSTN	C ñ Plane/UñPlane Basic_Call	Successful	Speech	UP___SP__xx
			3,1 kHz audio ex PLMN	UP___AU__xx
			Facsimile G3	UP___FX__xx
			Alternate speech and facsimile group 3	UP___AF__xx
			Emergency Calls	UP EC xx
		Unsuccessful	Speech	UP___SP_Uxx
			3,1 kHz audio	UP___AU_Uxx
			Facsimile G3	UP___FX_Uxx
			Alternate speech and facsimile group 3	UP___AF_Uxx
			AD	UP___AD_Uxx
			Emergency Calls	UP___EC_Uxx
			HSCSD ñ 3,1 kHz audio	UP___HA_Uxx
			HSCSD ñ UDI	UP HU Uxx
	ControlñPlane Supplementary Services		CLIP	UP___xxSSCLIP xx
			CLIR	UP___xxSSCLIR xx
			COLR	UP___xxSSCOLRxx
			CUG	UP___xxSSCUG xx
			CFU	UPU__xxSSCFUxx
			CFB	UPU__xxSSCFB xx
			CFNR	UPU__xxSSCFNR xx
			CCBS	UP___xxSSCCBS xx
			non-symmetrical tests	
			MCID	UP___xxSNMCID xx
			MPTY	UP___xxSNMPTYxx
			Call barring services	UP___xxSNCBSxx

6.5 GSM (Phase 2 +) - UMTS (UTRAN)

6.5.1 Support of circuit-switched call control services

GSM/UMTS	C ñ Plane/UñPlane Basic_Call	Successful		
			Speech	GU___SP__xx
			3,1 kHz audio ex PLMN	GU___AU__xx
			UDI	GU___UD__xx
			Facsimile G3	GU___FX__xx
			Alternate speech and facsimile group 3	GU___AF__xx
			Alternate Speech/Data	GU___AD__xx
			Speech followed by data	GU___FD__xx
			HSCSD	
			HSCSD ñ 3,1 kHz audio	GU___HA__xx
			HSCSD ñ UDI	GU___HU__xx
		Unsuccessful	Speech	GU___SP_Uxx
			3,1 kHz audio ex PLMN	GU___AU_Uxx
			UDI	GU___UD_Uxx
			Facsimile G3	GU___FX_Uxx
			Alternate speech and facsimile group 3	GU___AF_Uxx
	ControlñPlane Supplementary Services			
			CLIP	GU___xxSSCLIP xx
			CLIR	GU___xxSSCLIR xx
			COLP	GU___xxSSCOLP xx
			COLR	GU___xxSSCOLR xx
			CUG	GU___xxSSCUG xx
			SUB	GU___xxSSSUB xx
			CFU	GUG__xxSSCFUxx
			CFB	GUG__xxSSCFB xx
			CFNRy	GUG__xxSSCFNRy xx
			CFNRc	GUG__xxSSCFNRc xx
			HOLD	GU___xxSSHOLD xx
			CW	GU___xxSSCW xx
			UUS	GU___xxSSUUS xx
			MPTY	GU___xxSSMPTY xx
			Call Barring Services	GU___xxSSCBS xx
			CCBS	GU___xxSSCCBS xx

6.5.2 Support of packet services

Packet Services				
GSM ñ UMTS	ControlñPlane	Successful	SMS - PP	GU___PP__xx
			SMS - CB	GUG__CB__xx

6.6 UMTS to GSM (Release 99)

6.6.1 Support of circuit-switched services

UMTSñGSM	C ñPlane/UñPlane Basic_Call			
		Successful	Speech	UG___SP__xx
			3,1 kHz audio ex PLMN	UG___AU__xx
			UDI	UG__UD__xx
			Facsimile G3	UG__FX__xx
			Alternate speech and facsimile group 3	UG___AF__xx
			Alternate Speech/Data	UG___AD__xx
			Speech followed by data	UG___FD__xx
		Unsuccessful	Speech	UG___SP_Uxx
			3,1 kHz audio ex PLMN	UG___AU_Uxx
			UDI	UG___UD_Uxx
			Facsimile G3	UG___FX_Uxx
			Alternate speech and facsimile group 3	UG___AF_Uxx
	ControlñPlane Supplementary Services		CLIP	UG___xxSSCLIP xx
			CLIR	UG___xxSSCLIR xx
			COLP	UG___xxSSCOLP xx
			COLR	UG___xxSSCOLR xx
			CUG	UG___xxSSCUG xx
			SUB	UG___xxSSSUB xx
			CFU	UGU__xxSSCFUxx
			CFB	UGU__xxSSCFB xx
			CFNRy	UGU__xxSSCFNRy xx
			CFNRc	UGU__xxSSCFNRc xx
			HOLD	UG___xx SSHOLD xx
			CW	UG___xxSSCW xx
			UUS	UG___xxSSUUS xx
			MPTY	UG___xxSSMPTY xx
			Call Barring Services	UG___xxSSCBS xx
			CCBS	UG___xxSSCCBS xx

6.6.2 Support of packet services

UMTSñGSM	Packet Services ControlñPlane	Successful		
			SMS-PP	**UG___PP__xx**
			SMS-CB	**UGU__CB__xx**

6.7 UMTS to UMTS

6.7.1 Support of circuit-switched services

UMTS ñ UMTS	**ControlñPlane Basic_Call**	**Successful**	Speech	UU___SP__xx
			3,1 kHz audio ex PLMN	UU___AU__xx
			UDI	UU___UD__xx
			Facsimile G3	UU___FX__xx
			Alternate speech and facsimile group 3	UU___AF__xx
			Alternate Speech/Data	UU___AD__xx
			Speech followed by data	UU___FD__xx
		Unsuccessful	Speech	UU___SP_Uxx
			3,1 kHz audio ex PLMN	UU___AU_Uxx
			UDI	UU___UD_Uxx
			Facsimile G3	UU___FX_Uxx
			Alternate speech and facsimile group 3	UU___AF_Uxx
	ControlñPlane Supplementary Services		CLIP	UU___xxSSCLIP xx
			CLIR	UU___xxSSCLIR xx
			COLP	UU___xxSSCOLP xx
			COLR	UU___xxSSCOLR xx
			CUG	UU___xxSSCUG xx
			SUB	UU___xxSSSUB xx
			CFU	UUU___xxSSCFUxx
			CFB	UUU___xxSSCFB xx
			CFNRy	UUU___xxSSCFNR yxx
			CFNRc	UUU___xxSSCFNR cxx
			HOLD	UU___xxSSHOLD xx
			CW	UU___xxSSCW xx
			UUS	UU___xxSSUUSxx
			MPTY	UU___xxSSMPTYxx
			Call Barring Services	UU___xxSSCBSxx
			CCBS	UU___xxSSCCBS xx

6.7.2 Support of packet services

Packet Services UMTS ñ UMTS	ControlñPlane	Successful	SMS-PP	UU___PP__xx
			SMS-CB	UUU__CB__xx

7 Test purposes

7.1 Test purposes for ISDN to UMTS

7.1.1 Test purposes for ISDN to UMTS, Basic call

7.1.1.1 Successful

Successful
Speech

IU___SP__01	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
GSM selection criteria:	TS 11	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
GSM parameter values:	GSM-BC=speech, no HLC	
Comments:		

IU___SP__02	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.2	**PLMN ref. to**: TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

IU___SP__03	**ISDN ref. to:** EN 300 403-1, clause 5.3.3	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call establishment and the call clearing procedure is performed correctly when the **calling user** clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

IU___SP__04	**ISDN ref. To:** EN 300 403-1, clause 5.3.3	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the **called user** clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing". The DISCONNECT message may contain the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values	GSM-BC=speech, no HLC	
Comments:		

IU___SP__05	**ISDN ref. To:** EN 300 403-1, clause 4.5.17 TBR 008, clause 5.1.3, EG 210 018, clause 6.3.1	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.8
TSSreference:	ISDN-UMTS/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly. Ensure that in the active call state (N10) the voice transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, HLC = telephony	
PLMN parameter values	GSM-BC=speech, HLC = telephony	
Comments:		

Successful

3,1 kHz audio

IU___AU__01	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
GSM selection criteria:	Audio, Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the **calling user** clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing". The DISCONNECT message may contain a progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
GSM parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___AU__02	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 9.2.2, 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answering with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The called user shall receive a DISCONNECT message indicating the Cause value #16 "normal call clearing". The DISCONNECT message may contain a progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values		
Comments:	The call set-up to the mobile will not contain a GSM-BC element	

IU___AU__03	**ISDN ref. To:** EN 300 403-1, clause 5.1.5.2	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 EN 300 899, clause 2.1.1.7 table 19
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending and the call clearing procedure is performed correctly when the **called user** clears after answering with a DISCONNECT message indicating the cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channel is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___AU__04	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.2	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 9.2.2, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the **called user** clears after answer with a DISCONNECT message indicating the Cause value #16 "normal call clearing". The calling user shall receive a DISCONNECT message with the Cause value #16 "normal call clearing" with the progress indicator #8 or a Progress message with the progress indicator #8. Ensure that in the call delivered state (N4) and disconnect indication state (N12) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channel is performed correctly.	
ISDN Parameter values:	BC=3,1 kHz audio, no HLC	
PLMN Parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element	

IU___AU__05	**ISDN ref. to:** EN 300 403-1, clause 5.1.6	**PLMN ref. to:** TS 124 008, clause 5.2.2.4, clause 10.5.4.21 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to the called MS.	
ISDN parameter values:	BC=3,1 kHz audio, progress value #3 "origination address is non ISDN".	
PLMN parameter values:	GSM-BC=speech, progress value #3 "origination address is non ISDN".	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR and the progress value #3 "origination address is non ISDN". The progress indicator information element is transported in the Access Transport parameter of the initial address message (IAM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

IU___AU__06	**ISDN ref. to:** EN 300 403-1, clause 5.1.6	**PLMN ref. to:** TS 124 008, clause 5.2.2.4, clause 10.5.4.21 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	To verify that progress information in the ISDN-SETUP can be transported correctly to the called MS (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, progress value #3 "origination address is non ISDN".	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, LLC = 3,1 kHz audio, voice band data via modem, progress value #3 "origination address is non ISDN".	
Comments:		

IU___AU__07	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.10
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Telefax G3 terminals;	
PLMN selection criteria	TS 61	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in two GSM BC-IE preceded by a repeat indicator, one representing speech, the other representing facsimile group 3. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN Parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN Parameter values	first GSM-BC=speech second GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

IU___AU__08	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2, case 3 in HLR, case 5 in VMSC) TS 127 001, clause B.2.11
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

IU___AU__09	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.10
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	Single numbering Scheme, TS 62	
Test purpose:	Support of Telefax G3. Ensure that the ISDN BC value "3,1 kHz audio" and the HLC value "facsimile group 2/3" are mapped in the GSM BC-IE representing facsimile group 3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN Parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN Parameter values	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

IU___AU__10	**ISDN ref. to:** EN 300 403-1, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.1.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE,/user rate set to G_USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: G_USER_RATE	
Comments:	The test is not applicable for ETS 300 102-1 implementations. According ETS 300 102-1, clause 4.5.5 note 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITUstandardized rate adaption V.110/X.30 or V.120.	

IU___AU__11	**ISDN ref. to:** EN 300 403-1, clause 4.5.18	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.3
TSSreference:	ISDN-UMTS/Basic call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability 3,1 kHz audio and the **LLC** parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and the **LLC** with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

IU___AU__12	**ISDN ref. to:** EN 300 403-1, clause 4.5.18	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.3
TSSreference:	ISDN-UMTS/Basic call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability 3,1 kHz audio voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and the LLC parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and the **LLC** with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=LLC=3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The test is not applicable for ETS 300 102-1 implementations. According ETS 300 102-1 clause 4.5.5 note 4 the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITUstandardized rate adaption V.110/X.30 or V.120.	

Values for test purposes IU___AU__10; IU___AU__11; IU___AU__12	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

IU___AU__13	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Multi-numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the B-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, no HLC	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem ACCESS_RATE (PIXIT)	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___AU__14	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2 TS 123 034
TSSreference:	ISDN-UMTS/Basic_call/Successful	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
GSM selection criteria:	3,1 kHz	
Test purpose:	Ensure that the ISDN BC with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the GSM BC with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
GSM parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE	
Comments:		

IU___AU__15	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
GSM selection criteria:	3,1 kHz	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability 3,1 kHz audio and the LLC parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE and the **LLC** with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
GSM parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose IU___AU__14 and IU___AU__15	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s
VA_04	MODE: synchronous USER_RATE: 32 kbit/s FNU_RATE: 32 kbit/s
VA_05	MODE: synchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s
VA_06	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent
VA_09	MODE: synchronous USER_RATE: 64.0 kbit/s FNU_RATE: 64.0 kbit/s transparent
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s
VA_10	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
VA_11	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s
VA_12	MODE: asynchronous USER_RATE: 32 kbit/s FNU_RATE: 32 kbit/s
VA_13	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s
VA_14	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
VA_15	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s

Successful

UDI

IU___UD__01	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
GSM selection criteria:	UDI, Multi-numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending and the call clearing procedure is performed correctly when the calling user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, no HLC	
GSM parameter values:	GSM-BC = UDI, V.110/X.30,	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___UD__02	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using en-bloc sending (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, no HLC	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element	

IU___UD__03	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.2	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi-numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending and the call clearing procedure is performed correctly when the called user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, no HLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30,	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___UD__04	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.2	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Single numbering Scheme	
Test purpose:	Ensure that call establishment without exhaustive compatibility information for deducing a GSM Basic Service using overlap sending (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, no HLC	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element	

IU___UD__05	**ISDN ref. to:** EN 300 403-1, clause 4.5.5	PLMN ref. to: TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.1.2
TSSreference:	ISDN-UMTS/Basic_call/Successful/3,1 kHz audio	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE,/user rate set to G_USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	B= UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30 synchronous/asynchronous mode: MODE fix network user rate: G_USER_RATE	
Comments:		

IU___UD__06	**ISDN ref. to:** EN 300 403-1, clause 4.5.18	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.3
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability UDI and the **LLC** parameter values: UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and the **LLC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30 synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

IU___UD__07	**ISDN ref. to:** EN 300 403-1, clause 4.5.18	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.2.3
TSSreference:	ISDN-UMTS/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and the **LLC** parameter values: UDI, V.110/X.30, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the **GSM BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE and the **LLC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30 synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes IU___UD__05; IU___UD__06; IU___UD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

IU___DU__08	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2
TSSreference:	ISDN-UMTS/Basic call/Successful	
ISDN selection criteria:	Bearer service UDI	
GSM selection criteria:	UDI	
Test purpose:	Ensure that the ISDN BC with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, user rate set to USER_RATE is correctly mapped and correctly delivered to the GSM BC with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, fix network user rate set to FNU_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = information transfer capability: UDI, rate adaption: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
GSM parameter values:	GSM-BC = information transfer capability: UDI rate adaption: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE	
Comments:		

IU___DU__09	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2
TSSreference:	ISDN-UMTS/Basic_call/Successful	
ISDN selection criteria:	Bearer service UDI	
GSM selection criteria:	UDI	
Test purpose:	Ensure that the **ISDN SETUP** with the **BC** parameter value: information transfer capability UDI and the **LLC** with the parameter values: information transfer capability UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, user rate set to USER_RATE are correctly mapped and correctly delivered to the **GSM SETUP** with the **GSM-BC** with the parameter values: UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, fix network user rate set to FNU_RATE and the **LLC** with the parameter values UDI, rate adaption V.110/X.30, synchronous/asynchronous mode set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = information transfer capability: UDI LLC = information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
GSM parameter values:	GSM-BC = information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE LLC = information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
Comments:		

Values for test purposes IU___UD__08, IU___DU__09	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s
VA_04	MODE: synchronous USER_RATE: 32 kbit/s FNU_RATE: 32 kbit/s
VA_05	MODE: synchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s
VA_06	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent
VA_09	MODE: synchronous USER_RATE: 64.0 kbit/s FNU_RATE: 64.0 kbit/s transparent
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s
VA_10	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
VA_11	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s
VA_12	MODE: asynchronous USER_RATE: 32 kbit/s FNU_RATE: 32 kbit/s
VA_13	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s
VA_14	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
VA_15	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s

7.1.1.2 Unsuccessful

Unsuccessful

Speech

IU___SP_U01	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, clause 5.3, annex M	**PLMN ref. to:** TS 124 008 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
GSM selection criteria:	TS 11	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter values:	BC=speech	
GSM parameter values:		
Comments:	Some PLMNs provide announcement instead of sending cause value #1. In the case when the calling user is calling to an unallocated number the tones or announcement can only by generated in the destination exchange (or intermediate exchange) during call establishment (see ITU-T Recommendation Q.764 clause 2.2). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___SP_U02	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination" .	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___SP_U03	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy") The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___SP_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2.clause 5.1 annex M	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech/TC120104	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___SP_U05	**ISDN ref. to:** ETS 300 102- 1, clause 5.2.5.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	ISDN-UMTS/Basic call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #20.	

IU___SP_U06	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified" . The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IU___SP_U07	**ISDN ref. to:** EN 300 403-1, clause 5.1.9, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected.	

IU___SP_U08	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech/TC120108	
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 "Invalid number format (incomplete number") .	
ISDN parameter values:	BC=speech	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___SP_U09	**ISDN ref. to:** EN 300 403-1, clause 5.2.2 annex M	**PLMN ref. to:** TS 124 008, annex B.3.2, annex H 5.3
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech/TC120109	
ISDN selection criteria:	Speech	
PLMN selection criteria:		
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination" .	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___SP_U10	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

IU___SP_U11	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.6 ETS 300 511, clause 4.4.2.3
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

3,1 kHz audio

IU___AU_U01	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, clause 5.3, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	Some PLMNs provide announcement instead of sending cause value #1. In the case when the calling user is calling to an unallocated number the tones or announcement can only by generated in the destination exchange (or intermediate exchange) during call establishment (see ITU-T Recommendation Q.764 clause 2.2). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U02	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U03	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy"). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy"). The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U05	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U06	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4, annex M	**PLMN ref. to:** ETS 300 646 TS 129 002, 18.2, 18.3.2 TS 124 008, annex H.1.7
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent". The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #20.	

IU___AU_U07	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified" .	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U08	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted) (single-numbering scheme), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U09	**ISDN ref. to:** EN 300 403-1, clause 5.1.9, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected" .	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U10	**ISDN ref. to:** EN 300 403-1, clause 5.1.9, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that when the called user (single-numbering scheme) rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM-BC element. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U11	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 ñ "Invalid number format (incomplete number").	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In some networks tones or announcement can be generated in the destination exchange (or intermediate exchange) during call establishment. The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U12	**ISDN ref. to:** EN 300 403-1, clause 5.2.2, annex M	**PLMN ref. to:** ETS 300 557, annex B.3.2, annex H 5.3
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 ñincompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination".	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem	
PLMN parameter values:	GSM-BC=3,1 kHz audio, voice band data via modem	
Comments:	The originating exchange sends a DISCONNECT message to the calling user with progress indicator #8 thus indicating that in-band information is available. Normal release procedure apply after the in-band information has been connected. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U13	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:		

IU___AU_U14	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

IU___AU_U15	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008 annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi numbering Scheme, TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

IU___AU_U16	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Single numbering Scheme	
Test purpose:	Ensure that, when the called user (single-numbering scheme) is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=3,1 kHz audio	
PLMN parameter values:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy"). The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement on the B-channel.	

IU___AU_U17	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice band data via modem with modem type V.26	
PLMN selection criteria:	Audio, Multi-numbering Scheme	
Test purpose:	Unsuccessful voice band data via modem transmission. Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem, modem type V.26, no LLC.	
PLMN parameter values:		
Comments:	The test is not applicable for ETS 300 102-1 implementations. According ETS 300 102-1, clause 4.5.5, note 4, the octets 5a, 5b, 5c, 5d in the ISDN-BC may be present if octet 5 indicates either of the ITUstandardized rate adaption V.110/X.30 or V.120. NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined	

IU___AU_U18	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H 1.6
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/3,1 kHz audio	
ISDN selection criteria:	Bearer service 3,1 kHz audio, voice band data via modem with modem type V.26	
PLMN selection criteria:	Audio, Multi-numbering Scheme	
Test purpose:	Unsuccessful voice band data via modem transmission. Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	
ISDN parameter values:	BC=3,1 kHz audio, LLC=3,1 kHz audio, voice band data via modem, modem type V.26	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined	

Unsuccessful

UDI

IU___UD_U01	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
GSM selection criteria		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with a RELEASE COMPLETE or DISCONNECT message indicating cause value #1 "unassigned number".	
ISDN parameter values:	BC=UDI	
GSM parameter values:		
Comments:		

IU___UD_U02	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria		
Test purpose:	Ensure that the call will be released when there is no route to destination. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #3 "no route to destination" .	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:		

IU___UD_U03	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.6
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that, when the called user is busy (UDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IU___UD_U04	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.6
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy" .	
ISDN parameter values:	BC=UD	
PLMN parameter values:		
Comments:		

IU___UD_U05	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 129 002, clause 18.2, clause 18.3.2 TS 124 008, clause H.1.7
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #SS"Subscriber absent".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:	NOTE: At the PLMN side cause value #18 is "absent subscriber".At the ISDN side cause value #18 is "no user responding".	

IU___UD_U06	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___UD_U07	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UD	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #21 "call rejected".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

IU___UD_U08	**ISDN ref. to:** EN 300 403-1, clause 5.1.4, annex M	**PLMN ref. to:** TS 124 008, annex H.1.1 TS 129 002, clause 18.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:		
Test purpose:	Ensure that the call will be released when the called number is incomplete. The network initiates call clearing to the calling user with a DISCONNECT or RELEASE COMPLETE message with a cause such as one of the following: #1 "Unassigned (unallocated) number", #3 "No route to destination", #22 "Number changed" or #28 "Invalid number format (incomplete number").	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:		

IU___UD_U09	**ISDN ref. to:** EN 300 403-1, clause 5.2.2	**PLMN ref. to:** TS 124 008, annex B.3.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the call will be released. The network initiates call clearing to the calling user with a DISCONNECT message indicating cause value #88 "incompatible destination" .	
ISDN parameter values:	BC=LLC=UDI, V.110/X.30	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___UD_U10	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI, Multi numbering Scheme	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=UDI	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

IU___UD_U11	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex B.4. annex H.5.3 TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the called user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC=facsimile group 4.	
ISDN parameter values:	BC = UDI, HLC=facsimile group 4, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = facsimile group 4	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IU___UD_U12	**ISDN ref. to:** EN 300 403-1, clause 4.5.17, clause 4.5.19 ETS 300 080, clause 4.5.2.1, EG 210 018, clause 6.3.2	**PLMN ref. to:** TS 124 008, annex H TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, HLC=facsimile group 4 and LLC=telematic_term.	
ISDN parameter values:	BC = UDI, HLC=facsimile group 4, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U13	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 EG 210 018, clause 7.1.3	**PLMN ref. to:** TS 124 008, annex H TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC = teletex basic and mixed mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic and mixed mode, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U14	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, annex H TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC = teletex basic and processable mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic and processable mode, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U15	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 EG 210 018, clause 7.1.3	**PLMN ref. to:** TS 124 008, annex H TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC = telematic_term and the HLC = teletex basic mode.	
ISDN parameter values:	BC = UDI, HLC = teletex basic mode, LLC = telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U16	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 ETS 300 080, clause 4.5.2.1	**PLMN ref. to:** TS 124 008, annex H TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC = telematic_term and the HLC = international videotex interworking.	
ISDN parameter values:	BC = UDI, HLC = international videotex interworking, LLC = telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U17	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex B.4; H.5.3 TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC = telex.	
ISDN parameter values:	BC = UDI, HLC = telex, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = telex	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IU___UD_U18	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 ETS 300 080, clause 4.5.2.1	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex B.4; annex H.5.3 TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC = message handling system.	
ISDN parameter values:	BC = UDI, HLC = message handling system, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = message handling system	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IU___UD_U19	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 ETS 300 080, clause 4.5.2.1	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex B.4, annex H.5.3 TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC = OSI application.	
ISDN parameter values:	BC = UDI, HLC = OSI application, no LLC	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC = OSI application	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IU___UD_U20	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 EN 300 267-1, clause 7	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex B.4, annex H.5.3 TS 127 001, annex B2
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the user initiate call clearing with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination" and the network transport the cause value to the calling user when the calling user sends the SETUP containing the BC = UDI and the HLC=videotelephony_ic.	
ISDN parameter values:	BC = UDI, HLC=videotelephony_ic	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, HLC=videotelephony_ic	
Comments:	Support of teleservices is an end-to-end aspect. The LLC/HLC-IE is transferred transparently by the GSM PLMN and an ISDN between the call originating entity and the addressed entity. The LLC/HLC related part of the compatibility is up to the terminal. NOTE: In some networks the HLC is the related part of the compatibility checking performed in the GMSC. In this case the network initiates call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized".	

IU___UD_U21	**ISDN ref. to:** EN 300 403-1, clause 4.5.5	**PLMN ref. to:** TS 124 008, annex H TS 129 007, table 6B-09.07 See Note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous mode, user rate 19,2 kbit/s, no LLC	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U22	**ISDN ref. to:** EN 300 403-1, clause 4.5.19 ETS 300 103, annex I, EG 210 018, clause 7.1.1	**PLMN ref. to:** TS 124 008, annex H TS 129 007, table 6B-09.07 See note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI and the LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC = UDI, LLC=V.110/X.30, synchronous mode, user rate 19,2 kbit/s	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U23	**ISDN ref. to:** EN 300 403-1, clause 4.5.5	**PLMN ref. to:** TS 124 008, annex H TS 129 007, table 6B-09.07 See note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC=UDI, V.110/X.30, asynchronous mode, user rate 19,2 kbit/s, no LLC	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U24	**ISDN ref. to:** EN 300 403-1, clause 4.5.19 ETS 300 103, annex I ETR 018, clause 7.1.1	**PLMN ref. to:** TS 124 008, annex H TS 129 007, table 6B-09.07 See note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI and the LLC=V.110/X.30, asynchronous mode, user rate 19,2 kbit/s.	
ISDN parameter values:	BC = UDI, LLC=V.110/X.30, asynchronous mode, user rate 19,2 kbit/s	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U25	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 4.5.19	**PLMN ref. to:** TS 124 008, annex H TS 129 007, table 6B-09.07 See note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s.	
ISDN parameter values:	BC=UDI, V.110/X.30, synchronous mode, user rate 56 kbit/s, no LLC	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U26	**ISDN ref. to:** EN 300 403-1, clause 4.5.17, clause 4.5.19 EG 210 018, clause 7.1.3	**PLMN ref. to:** TS 124 008, annex H TS 129 007, table 6B-09.07 See note
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC=UDI, LLC=telematic_term and the HLC= syntax-based videotex.	
ISDN parameter values:	BC = UDI, HLC= syntax-based videotex, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U27	**ISDN ref. to:** EN 300 403-1, clause 4.5.17, clause 4.5.19, EG 210 018, clause 6.3.7	**PLMN ref. to:** TS 124 008, annex H TS 129 007 102.2, table 6B-09.07
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" or #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC=FTAM.	
ISDN parameter values:	BC = UDI, HLC=FTAM, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U28	**ISDN ref. to:** EN 300 403-1, clause 4.5.17, clause 4.5.19 EG 210 018, clause 6.3.8	**PLMN ref. to:** TS 124 008, annex H TS 129 007 102.2, table 6B-09.07
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified" #57 "bearer capability not authorized" when the calling user sends the SETUP containing the BC = UDI, LLC=telematic_term and the HLC= Eurofile.	
ISDN parameter values:	BC = UDI, HLC= Eurofile, LLC=telematic_term	
PLMN parameter values:		
Comments:	NOTE: The PLMN Standard covers the cases where the subscription check or the compatibility check fails. The cause value with which the call shall be rejected is not defined.	

IU___UD_U29	**ISDN ref. to:** EN 300 403-1, clause 5.1, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.6
TSSreference:	ISDN-UMTS/Basic_call/UnSuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
ISDN parameter values:	BC=UDI	
PLMN parameter values:		
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

UDI -TA

IU___UT_U01	**ISDN ref. to:** EN 300 403-1, clause 5.1.5.1	**PLMN ref. to:** TS 124 008 TS 129 007, clause 10.2.2
TSSreference:	ISDN-UMTS/Basic_call/Unsuccessful/UDI -TA	
ISDN selection criteria:	Bearer service UDI/TA	
GSM selection criteria:		
Test purpose:	Ensure that the network initiate call clearing to the calling user with cause value #63 "service or option not available or #65 "bearer service not implemented".	
ISDN parameter values:	BC=UD/TA, no HLC	
GSM parameter values:		
Comments:		

7.1.2 Test purposes for ISDN to UMTS Supplementary services

Supplementary services

Symmetrical Tests

IU___xxSSCLIP01	**ISDN ref. to:** EN 300 092-1, clause 9.3, EN 300 403-1, clause 4.5.10, clause 4.5.11	**PLMN ref. to:** TS 124 008 TS 124 081
TSSreference:	ISDN-UMTS/Supplementary_services/CLIP	
ISDN selection criteria:	CLIP	
GSM selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is set to: TON_ID, the Calling party number information element is correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID, Calling party number: PI=PA SI=UPVP, TON= TON_ID	
GSM parameter values:	GSM-BC=G_ITC, Calling party number: PI=PA, SI=UPVP, TON= national/international number NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

Values for test purpose: IU___xxSSCLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

IU___xxSSCLIP02	**ISDN ref. to:** EN 300 092-1, clause 9.3 EN 300 403-1, clause 4.5.10	**PLMN ref. to:** TS 124 008, clause 10.5.4.9, 10.5.4.10 TS 124 081, clause 1 TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CLIP	
ISDN selection criteria:	CLIP	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when no Calling party number information element is provided by the calling user, (and no Calling party subaddress), the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party number: PI=PA, SI=NP, TON= national/international, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

IU___xxSSCLIR01	**ISDN ref. to:** EN 300 093-1, clause 9.4.1 ETS 300 092-1/A2, figure 2	**PLMN ref. to:** TS 124 008, clause 10.5.4.9, clause 10.5.4.10 TS 124 081, clause 1 TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CLIR	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information.	
ISDN parameter values:	BC=I_BC_ID, Calling party number: PI=PA, TON=unknown, NPI=unknown	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IU___xxSSCLIR02	**ISDN ref. to:** EN 300 093-1, clause 9.4.1 ETS 300 092-1/A2, Figure 2	**PLMN ref. to:** TS 124 008, clause 10.5.4.9, clause 10.5.4.10 TS 124 081, clause 1, TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CLIR	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user, the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party number: PI=PR, TON=unknown, NPI=unknown, SI=NP	
Comments:		

IU___xxSSCOLP01	**ISDN ref. to** EN 300 097-1, clause 9.5.1	**PLMN ref. to:** TS 124 081, clause 3, TS 123 081, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/COLP	
ISDN selection criteria:	Calling user is provided with COLP	
PLMN selection criteria:	COLP	
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter values:	BC=I_BC_ID; Connected number: SI=NP, PI=PA, TON= National/international, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IU___xxSSCOLR01	**ISDN ref. to:** EN 300 098-1, clause 9.3.1, clause 9.4.1 ETS 300 097-1/A2, figure 4	**PLMN ref. to:** TS 124 081, clause 4, TS 123 081, clause 4
TSSreference:	ISDN-UMTS/Supplementary_services/COLR	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
ISDN parameter values:	BC=I_BC_ID, Connected number : PI=PR, TON=unknown, NPI=unknown SI=NP	
PLMN parameter values:	GSM-BC=G_BC_ID;	
Comments:		

IU___xxSSCUG01	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=G_BC_ID; Facility (Invoke =NotifySS(CUUIndex))	
Comments:		

IU___xxSSCUG02	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message. A Facility IE may be passed to the MS which contains an CUG index associated with the invoked CUG.	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:	GSM-BC=G_BC_ID; Facility (Invoke =NotifySS(CUUIndex))	
Comments:		

IU___xxSSCUG03	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IU___xxSSCUG04	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user belongs **to the same CUG** with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index not included, the called user receives a SETUP message.	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index **not** included	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

IU___xxSSCUG05	**ISDN ref. to:** EN 300 138-1, clause 9.2.2	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "userNotMemberOfCUG"..	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IU___xxSSCUG06	**ISDN ref. to:** EN 300 138-1, clause 9.2.3	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	Calling user is **not member** of CUG	
PLMN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall invoke component the network initiate call clearing to the calling user with cause value #87 user not a member of CUG".	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IU___xxSSCUG07	**ISDN ref. to:** EN 300 138-1, clause 9.2.2	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user is not member of CUG.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "userNotMemberOfCUG".	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IU___xxSSCUG08	**ISDN ref. to:** EN 300 138-1, clause 9.2.2	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user belongs to **the same** CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to TRUE CUG Index included	
PLMN parameter values:		
Comments:		

IU___xxSSCUG09	**ISDN ref. to:** EN 300 138-1, clause 9.2.2	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user belongs to **the same** CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

IU___xxSSCUG10	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	PLMN ref. to: TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:		
Comments:		

IU___xxSSCUG11	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG	
ISDN selection criteria:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
ISDN parameter values:	BC=I_BC_ID; Facility IE with cUGCall invoke component: OARequested set to FALSE CUG Index included	
PLMN parameter values:	GSM-BC=G_BC_ID; Facility (Invoke =NotifySS(CUUIndex))	
Comments:		

IU___xxSSSUB01	**ISDN ref. to:** EN 300 061-1 clause 9.2 EN 300 403-1, clause 4.5.9	**PLMN ref. to:** ETS 300 577 clause 10.5.4.8
TSSreference:	ISDN-UMTS/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IU___xxSSSUB02	**ISDN ref. to:** EN 300 061-1 clause 9.2 EN 300 403-1, clause 4.5.9	**PLMN ref. to:** ETS 300 577 clause 10.5.4.8
TSSreference:	ISDN-UMTS/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:		

IUI__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channel is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID; **C: ?** BC=I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion User C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channel is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID; **C: ?** BC=I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoperation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUUUGxxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoperation that the incoming call is a forwarded call. The reason for forwarding given to the forwarded ñto subscriber should relate to the last forwarding subscriber in the chain. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG__xxSSCFU03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data or data transfer is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**). (see note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU	
ISDN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFUactive GSM-BC=I_BC_ID	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID; **C: ?** BC=I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion User C receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID; **C: ?** BC=I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC= I_BC_ID; **C: ?** BC= I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC=I_BC_ID; **C: ?** BC=I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFBUDUB active GSM-BC=G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user..	

IUG__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=I_BC_ID;	
PLMN parameter values:	CFBUDUB active GSM-BC=G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= I_BC_ID;	
PLMN parameter values:	CFBNDUB active GSM-BC= G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion User C receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB	
ISDN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI___xxSSCFNRy01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFNRy02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG___xxSSCFNRy01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUG__xxSSCFNRy02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active **C: ?** GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP___xxSSCFNRy01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active GSM-BC=G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFNRy02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active **C: ?** GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU___xxSSCFNRy01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFNRy02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call.	
ISDN parameter values:	**A: !** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active **C: ?** GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFNRc01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached**, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSSCFNRc02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached** the call is forwarded to user C. User **A** is not notified of call diversion. User **C** receives a SETUP message with the information that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

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TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached**, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
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Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

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TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached** the call is forwarded to user C. User **A** is not notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
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Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

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TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached**, the call is forwarded to user C. User **A** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUP__xxSSCFNRc02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached** the call is forwarded to user C. User **A** is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

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TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached**, the call is forwarded to user C. User **A** is notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUU__xxSSCFNRc02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc	
ISDN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). (See note)	
Test purpose:	Ensure that when user A calls user B, **if detached** the call is forwarded to user C. User **A** is not notified of call diversion. User **C** receives a SETUP message with the NotifySSoparation that the incoming call is a forwarded call. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached GSM-BC = G_BC_ID;	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IU___xxSSHOLD01	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 124 083, clause 2 TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSHOLD02	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 124 083, clause 2 TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSHOLD03	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 124 083, clause 2 TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non -served user during the held state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSHOLD04	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 124 083, clause 2 TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSHOLD05	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 124 083, clause 2 TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSHOLD06	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 124 083, clause 2 TS 123 083, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/HOLD	
ISDN selection criteria:	Call Hold	
PLMN selection criteria:	Call Hold	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñserved user during the held state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSCW01	**ISDN ref. to:** EN 300 058-1, clause 7 EN 300 403-1, clause 4.5.2.1	**PLMN ref. to:** TS 124 083, clause 1 TS 123 083, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CW	
ISDN selection criteria:	CW	
PLMN selection criteria:	The called user is provided with CW.	
Test purpose:	Ensure that the called user (MS) responds with CALL-CONFIRMED and ALERTING (where the call is a waiting call), the calling user receives ALERTING message containing a Notification indicator information element coded as "call is a waiting call".	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSCW02	**ISDN ref. to:** EN 300 058-1, clause 7 EN 300 403-1, clause 4.5.2.1	**PLMN ref. to:** TS 124 083, clause 1 TS 123 083, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CW	
ISDN selection criteria:	CW	
PLMN selection criteria:	The called user is provided with CW.	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1i01	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user.	
ISDN parameter values:	BC = I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC = G_BC_ID, UI length = 32	
Comments:		

IU___xxSSUUS1i02	**ISDN ref. to:** EN 300 055-1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** TS 124 008, clause 10.5.4.25
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
ISDN parameter values:	BC = I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC = G_BC_ID, UI length = 32	
Comments:		

IU___xxSSUUS1i03	**ISDN ref. to:** EN 300 055-1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** TS 124 008, clause 10.5.4.25
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
ISDN Parameter values:	BC = I_BC_ID, UI length = 32	
PLMN parameter values:	GSM-BC = G_BC_ID, UI length = 32	
Comments:		

IU___xxSSUUS1i04	**ISDN ref. to:** EN 300 055-1, clause 9.1.2.2.1a EN 300 403-1,	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria:	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC = I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC = G_BC_ID, UI length = 32	
Comments:		

IU___xxSSUUS1i05	**PLMN ref. to** EN 300 055-1, clause 9.1.2.2.1b EN 300 403-1	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria	UUS1i	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
ISDN parameter values:	BC = I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC = G_BC_ID, UI length = 32	
Comments:		

IU___xxSSUUS1i06	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1i	
ISDN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
PLMN selection criteria:	UUS1i	
Test purpose:	The requested UUS is not supported in Network B. Verify that UUI can be discarded by the network without disrupting normal call handling.	
ISDN Parameter values:	BC = I_BC_ID, UI length = 32	
PLMN parameter values:	GSM-BC = G_BC_ID, UI length = 32	
Comments:	.	

IU___xxSSUUS1e01	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1 e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "preferred" (not-essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e02	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "preferred", the called user shall include a service 1 rejection in the ALERTING message sent to the called network. The called network shall include the error value "rejectedByUser" in the alerting indication. The calling network shall also include this rejection in the corresponding ALERTING message to the calling user.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e03	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**UUS not required**", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The called network shall include the error value "rejectedByUser" in the connect indication sent to the calling network. The calling network shall also include this rejection in the corresponding CONNECT message sent to the calling user.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e04	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.1.2
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	Destination **network** rejects **explicit** the UUS1 request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "preferred", the destination **network** rejects **explicit** the UUS1 request without disrupting normal call handling. The calling network shall include a service 1 rejection with the error value "rejectedByUser" in a CALL PROCEEDING, PROGRESS, ALERTING or CONNECT message to the calling user.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	If the network already has or has obtained the knowledge that the network itself or the called user cannot support service 1 and it was explicitly requested as non-essential, a "service 1 not provided" indication is returned in the user-to-user indicators parameter in the address complete, call progress, answer, connect, or release messages.	

IU___xxSSUUS1e05	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**required**", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
ISDN Parameter values:	BC = I_BC_ID,	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e06	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**required**", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
ISDN Parameter values:	BC = I_BC_ID,	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e07	**ISDN ref. to:** EN 300 055-1 EN 300 403-1	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1,
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**required**", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e08	**ISDN ref. to:** EN 300 055-1 EN 300 403-1	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1, 5.1.1, annex A
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**required**", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS1e09	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	ISDN-UMTS/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", and the called network already has obtained knowledge that **the network itself cannot support** service 1 a DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1 rejection with the error value "rejectedByNetwork".	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS201	**ISDN ref. to:** EN 300 055-1, clause 9.2.2.1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.2.1.2
TSSreference:	ISDN-UMTS/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS202	**ISDN ref. to:** EN 300 055-1, clause 9.2.1.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.2.1.2
TSSreference:	ISDN-UMTS/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, a UUS2 rejection with the Error value "rejected by the user, it is returned to the calling user in a ALERTING message sent from the network and the call can be established.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS203	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.2
TSSreference:	ISDN-UMTS/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as "preferred" (not-essential). Verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS204	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** TS 124 087 TS 123 087
TSSreference:	ISDN-UMTS/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2 e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**required**", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS205	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** TS 124 087 TS 123 087
TSSreference:	ISDN-UMTS/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2 e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**required**", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS206	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** TS 124 087 TS 123 087]
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
ISDN selection criteria:	UUS2	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS301	**ISDN ref. to:** EN 300 055-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.3.1
TSSreference:	ISDN-UMTS/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating "preferred", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS302	**ISDN ref. to:** EN 300 055-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.3.1
TSSreference:	ISDN-UMTS/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	Ensure that after the calling user request UUS3 **during call establishment** indicating "preferred", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, a UUS3 rejection with the Error value "rejected by the user" is included in the CONNECT message sent to the calling user.	
Test purpose:		
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS303	**ISDN ref. to:** EN 300 055-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.3.1
TSSreference:	ISDN-UMTS/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating "required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS304	**ISDN ref. to:** EN 300 055-1, clause 9.3.2.1 EN 300 403-1, clause 7	**PLMN ref. to:** TS 124 087 TS 123 087
TSSreference:	ISDN-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating "**UUS required**", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	BC = I_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS305	**ISDN ref. to:** EN 300 055-1, clause 9.3.2.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.3.2
TSSreference:	ISDN-UMTS/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 during the **Active call state** indicating "preferred", if the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSUUS306	**ISDN ref. to:** EN 300 055-1, clause 9.3.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4 TS 124 087, clause 4.3.2
TSSreference:	ISDN-UMTS/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the **Active call state** indicating "preferred", if the called user rejects the service 3 request, the network can transport the FACILITY message including a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSNECT01	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state-Call Held auxiliary state** and the call **A-C** is in the **Active call state** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSNECT02	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call sate** and the call **A-C** is in the **Active call state ñ Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSNECT03	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state-Call Held auxiliary state** and the call **A-C** is in the **Call Delivered State** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSNECT04	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	ISDN-UMTS/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:		
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state** and the call **A-C** is in the **Call Delivered State-Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSSCCBS01	**ISDN ref. to:** EN 300 359-1, clause 9.1.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point recall option = RO_ID User A is in network N1, user B is in network N2	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a successful CCBS call setup if a multipoint configuration exits.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	The network N1 in the Disconnect Indication call state N12 and CCBS Idle state and Retention Active state for CCBS, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, sends a FACILITY message containing a Facility information element with a CCBSRequest return result component including the CCBSReference and recallMode. The network N1 in the Null call state N00 and CCBS Activated state in order to indicate that it is prepared for establishment of the requested call, sends a FACILITY message (UI frame) containing a Facility information element with a CCBSRemoteUserFree invoke component including the recallMode, cCBSReference, addressOfB and q931InfoElement. The network in the Null call state N00 and CCBS Free state, on receipt of a SETUP message containing Bearer capability information element(s) from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, continues en-bloc basic call procedures using the retained call information and moves to call state N01.	

IU___xxSSCCBS02	**ISDN ref. to:** EN 300 359-1, clause 9.4.3.1, clause 9.4.4.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. User A is in network N1, user B is in network N2.	
PLMN selection criteria:		
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING message. User A receives an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with an ALERTING message, sends an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N04.	

IU___xxSSCCBS03	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. User A is in network N1, user B is in network N2.	
PLMN selection criteria:		
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a CONNECT message, user A receives a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with a CONNECT message, sends a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N10.	

IU___xxSSCCBS04	**ISDN ref. to:** EN 300 359-1, clause 9.2.1, clause 9.4.4.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. User A is in network N1, user B is in network N2.	
PLMN selection criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and **CCBS Activated state** the user can initiate the deactivation procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the user (when the network A is in the call state N00 and **CCBS Activated state**), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

IU___xxSSCCBS05	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A Signalling procedures at the coincident S and T reference point User A is in network N1, user B is in network N2.	
PLMN selection criteria:		
Test purpose:	Ensure that when the network A is in the call state N00 and **CCBS free state** the user can initiate the deactivation procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the user (when the network A is in the call state N00 and **CCBS free state**), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.	

IU___xxSSCCBS06	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point.	
PLMN selection criteria:		
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCBS processing.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:		

IU___xxSSCCBS07	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. Recall option = RO_ID.	
PLMN selection criteria:		
Test purpose:	Ensure that if network A cannot accept the request because no B-channel can be selected, network A shall suspend the CCBS request at network B.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that network A in the CCBS free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCBS request at network B.	

IU___xxSSCCBS08	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. The network option "CCBS request retention" is set to "yes".	
PLMN selection criteria:		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing and Network B shall resume monitoring user B for being not busy.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT not containing a Facility information element with a CCBSErase invoke component. Network B shall resume monitoring user B for being not busy.	

IU___xxSSCCBS09	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. Network option "CCBS request retention" is set to "no". Multipoint configuration.	
PLMN selection criteria:		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing. User A can activate the CCBS supplementary service again.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a **multipoint configuration exists,** if network B cannot establish the call because user B is busy again: the network A sends to user A a DISCONNECT or RELEASE COMPLETE message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed. User A can activate the CCBS supplementary service again.	

IU___xxSSCCBS10	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point. Network option "CCBS request retention" is set to "no". multipoint configuration.	
PLMN selection criteria:		
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a **multipoint configuration exists**, if network B cannot establish the call for **any reason other than the called user is busy:** the network A sends to user A a DISCONNECT message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed. User A can activate the CCBS supplementary service again.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:		

IU___xxSSCCBS11	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. Signalling procedures at the coincident S and T reference point.	
PLMN selection criteria:		
Test purpose:	Ensure that the network A in the Null call state and CCBS Free state, where a multipoint configuration exists, and the T-CCBS3 expires: the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:		

IUI__xxSICFU_CLI_COL01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion " = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C** can receive the ***Redirecting number*** IE (See note) giving the reason for call diversion with the presentation indicator set to presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User **C** can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the pr ETSI EN 300 646-1 V4.2.2 (1999-05), item 6.1.1.10ETSI EN 300 646-1 V4.2.2 (1999-05), item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFU_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**) and CLIP.(See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFU_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**) and **CLIR**. (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	The **Redirection number IE** shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFU_CLI_COL01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**) and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:		

IUG__xxSICFU_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**) and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:		

IUG__xxSICFU_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**) and **CLIR**. (Note 2)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:		

IUU__xxSICFU_CLI_COL01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion "= **Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:		

IUU__xxSICFU_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:		

IUU__xxSICFU_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFU_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**) and **CLIR**. (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFUactive	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.	

IUI__xxSICFB_CLI_COL01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed" NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user. The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFB_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with **COLR** and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**).(See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the **redirecting number** to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFB_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" **= No**) and **CLIR**. (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted"***.*** Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	The **Redirection number IE** shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFB_CLI_COL04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). and CLIP (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User **C can receive** a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFB_CLI_COL05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes,** "notification to forwarding subscriber" **= Yes**) and CLIP (See note).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFB_CLI_COL06	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP, COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) and **CLIR**. (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **C can receive** the ***Redirecting number*** IE with the presentation indicator set to "presentation restricted". User **B** is not notified of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:	The **Redirection number IE** shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User **C can receive** a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFB_CLI_COL01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**) and CLIP. (See note)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFB_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**UDUB** ("calling user is notified of call diversion" = **Yes**) and CLIP. (See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFB_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**UDUB** ("calling user is notified of call diversion" **= No**) and **CLIR**.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBUDUB active	
Comments:		

IUI__xxSICFB_CLI_COL04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:		

IUG__xxSICFB_CLI_COL05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFB**NDUB** ("calling user is notified of call diversion" = **Yes,** "notification to forwarding subscriber" **= Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:		

IUG__xxSICFB_CLI_COL06	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFB**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) and **CLIR**.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **B** is not notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFBNDUB active	
Comments:		

IUI__xxSICFNRy_CLI_COL01	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). and CLIP (See note).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User **C can receive** a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFNRy_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion" = **Yes,** "notification to forwarding subscriber" **= Yes**) .(See note)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User C **can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C **can receive** a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". User **B** is notified with a FACILITY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion. NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFNRy_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**) and **CLIR**. (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **C can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". User **B** is not notified of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFNRy_CLI_COL01	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFNRy_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion" = **Yes,** "notification to forwarding subscriber" **= Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:		

IUG__xxSICFNRy_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**) and **CLIR**.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **B** is not notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:		

IUU__xxSICFNRy_CLI_COL01	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). and CLIP (See note).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUU__xxSICFNRy_CLI_COL02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRy ("calling user is notified of call diversion" = **Yes,** "notification to forwarding subscriber" **= Yes**)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:		

IUU__xxSICFNRy_CLI_COL03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRy_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**) and **CLIR**.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **B** is not notified of call diversion. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRy active	
Comments:		

IUI__xxSICFNRc01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**) and CLIP. (See note)	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the presentation indicator can be contained in the ALERTING, CONNECT, NOTIFY, INFORMATION or PROGRESS(state N03), CONNECT, NOTIFY, INFORMATION or PROGRESS(state N04) message. User **C can receive** a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFNRc02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion" = **Yes**) and CLIP.(See note)	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User C **can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	User **A** is notified of call diversion with a Notification indicator IE contained in a NOTIFY or CALL PROCEEDING (state N01), ALERTING, PROGRESS, CONNECT, INFORMATION or NOTIFY (state N03), PROGRESS, CONNECT, INFORMATION or NOTIFY (state N04) message. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. The **Redirection number IE** with the numbering identification field and the type of number field set to "unknown", without a number digits field and the presentation indicator either set to "presentation restricted" can be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User C can receive a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUI__xxSICFNRc03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**) and **CLIR** .(See note)	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **C can receive** the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	**A: !** BC = I_BC_ID; **C: ?** BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	User **A** is not notified of call diversion and not informed of the diverted-to number. The **Redirection number IE** shall not be included in the ALERTING, CONNECT, NOTIFY or INFORMATION (state N03), CONNECT, NOTIFY or INFORMATION (state N04) message. User **C can receive** a SETUP message containing one ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted". NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFNRc01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). (See note)	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFNRc02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion" = **Yes**) and CLIP.(See note)	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:	NOTE: Stage 1, 2 and 3 descriptions of the call forwarding Supplementary_services are not in line with the EN 302 646-1, item 6.1.1.10 (MSC acts like a diverting exchange according to EN 300 356-15).The served mobile subscriber has not the ability to decide if the indication that the incoming call is a forwarded call is released to the diverted-to user.The setting of the redirecting number to the forwarded-to subscriber in the ISUP signalling of GSM operators has to be considered as an implementation option.	

IUG__xxSICFNRc03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**) and **CLIR** .	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:		

IUU__xxSICFNRc01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:		

IUU__xxSICFNRc02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIR and COLP, user C is provided with COLR and CLIP.	
PLMN selection criteria:	The user B is in network N2 provided with CFNRc ("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion. The presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:		

IUU__xxSICFNRc03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFNRc_CLI_COL	
ISDN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP, user C is provided with CLIP.	
PLMN selection criteria:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**) and **CLIR** .	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion and not informed of the diverted-to number. User **C** will receive an indication that the call has been forwarded with the appropriate forwarding condition. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	BC = I_BC_ID;	
PLMN parameter values:	CFNRc active, the user is detached	
Comments:		

IUI__xxSICUG01	**ISDN ref. to:** EN 300 138-1	**PLMN ref. to:** TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A, ISDN user C and PLMN user B belong to the same CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is successful.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = I_BC_ID	
Comments:	On PLMN side CUGSS according to the Stage 1 description.	

IUI__xxSICUG02	**ISDN ref. to:** EN 300 138-1	**PLMN ref. to:** TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. ISDN user C does not belong to the CUG. No other CUG parameter are allocated to any of the users. B has an active call forwarding to C. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	On PLMN side CUGSS according to the stage 1 description.	

IUI__xxSICUG03	**ISDN ref. to:** EN 300 138-1	**PLMN ref. to:** TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally B has the CUG parameter OA = "allowed" and an active call forwarding to ISDN user C. C is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	On PLMN side CUGSS according to the stage 1 description.	

IUI__xxSICUG04	**ISDN ref. to:** EN 300 138-1	**PLMN ref. to:** TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_services/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A and PLMN user B belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C, which is not member of the CUG. Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	On PLMN side CUGSS according to the stage 1 description.	

IU___xxSICUG05	**ISDN ref. to:** EN 300 138-1	**PLMN ref. to:** TS 122 085
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CUG_CFU	
ISDN selection criteria:	CUG	
PLMN selection criteria:	CUG, CFU	
Test purpose:	ISDN user A, PLMN user B and ISDN user C belong to the same CUG. Additionally A has the CUG parameter OA = "allowed". User B has an active call forwarding to ISDN user C. Ensure that a call establishment is successful but the OA indicator is not provided to C.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = I_BC_ID	
Comments:	On PLMN side CUGSS according to the stage 1 description.	

IUI__xxSICFB01	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = I_BC_ID	
Comments:		

IUI__xxSICFB02	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is released at the terminating exchange after timer expired.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSICFB03	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes. ISDN user A has an active connection to user B. PLMN user B is involved in an active call with ISDN user D and in the same time he has a Waiting incoming call from ISDN user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the call will be forwarded to C. PLMN user B and the ISDN calling user A shall receive a call diversion notification.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSICFB04	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No. ISDN user A has an active connection to user B. PLMN user B is involved in an active call with ISDN user D and in the same time he has a Waiting incoming call from ISDN user E. Ensure that user B will be informed about the waiting call (CW), and (NDUB) the call will be forwarded to C. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSICFB05	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = Yes. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. ISDN calling user A shall receive a call diversion notification while PLMN user B shall not receive a call diversion notification.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI__xxSICFB06	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 082
TSSreference:	ISDN-UMTS/Supplementary_services/CFB_CW	
ISDN selection criteria:		
PLMN selection criteria:	CW, CFB	
Test purpose:	PLMN user B is provided with CW and an active CFB to ISDN user C. Additionally user B has also call diversion notification = No. ISDN user A has an active connection to user B. ISDN user D is calling user B. Ensure that user B will be informed about the waiting call (CW) and that the Waiting call is forwarded to user C when user B declares his UDUB condition. PLMN user B and the ISDN calling user A shall not receive a call diversion notification.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSICLIP_SUB01	**ISDN ref. to:** EN 300 092-1, clause 9.3, EN 300 403-1, clause 4.5.10, clause 4.5.11	**PLMN ref. to:** TS 124 008 TS 124 081
TSSreference:	ISDN-UMTS/Supplementary_services/CLIP	
ISDN selection criteria:	CLIP	
GSM selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number is set to: TON_ID, with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC = I_BC_ID, Calling party number: PI = PA SI = UPVP, TON = TON_ID Calling party subaddress	
GSM parameter values:	GSM-BC = G_ITC, Calling party number: PI = PA, SI = UPVP, TON = national/international number NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163) Calling party subaddress	
Comments:		

Values for test purpose: IU___xxSICLIP01	
VA_01	TON_ID: subscriber number
VA_02	TON_ID: national number
VA_03	TON_ID: international number
VA_04	TON_ID: unknown

IU___xxSICLIR_SUB01	**ISDN ref. to:** EN 300 093-1, clause 9.4.1 ETS 300 092-1/A2 figure 2	**PLMN ref. to:** TS 124 008, clause 10.5.4.9, clause 10.5.4.10 TS 124 081, clause 1 TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CLIR	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when the Calling party number is provided by the calling user, with Calling party subaddress, the Calling party number information element is delivered to the called user without any digit information.	
ISDN parameter values:	BC = I_BC_ID, Calling party number: PI = PA, TON = unknown, NPI = unknown	
PLMN parameter values:	GSM-BC = G_BC_ID, Calling party number: PI = PR, TON = unknown, NPI = unknown, SI = NP	
Comments:		

IU___xxSICLIR_SUB02	**ISDN ref. to:** EN 300 093-1, clause 9.4.1 ETS 300 092-1/A2 Figure 2	**PLMN ref. to:** TS 124 008, clause 10.5.4.9, clause 10.5.4.10 TS 124 081, clause 1, TS 123 081, clause 1
TSSreference:	ISDN-UMTS/Supplementary_services/CLIR	
ISDN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when no Calling party number is provided by the calling user to the Calling party number information element is network provided and delivered to the called user without any digit information.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID, Calling party number: PI = PR, TON = unknown, NPI = unknown, SI = NP	
Comments:		

IU___xxSSCOLP_SUB01	**ISDN ref. to:** EN 300 097-1, clause 9.5.1	**PLMN ref. to:** TS 124 008, clause 10.5.4.14 TS 124 081, clause 3 TS 123 081, clause 3
TSSreference:	ISDN-UMTS/Supplementary_services/Speech/COLP/TC210301	
ISDN selection criteria:	The calling user is provided with COLP	
PLMN selection criteria:	COLP	
Test purpose:	Ensure that when the Connected subaddress is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter values:	BC = I_BC_ID; Connected number: SI = NP, PI = PA, TON = national/international number, NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163) Connected subaddress	
PLMN parameter values:	GSM-BC = G_BC_ID; Connected subaddress	
Comments:		

NON-SYMMETRICAL TESTS

IU___xxSNTP01	**ISDN ref. to:** EN 300 055-1, clause 9.2.1 EN 300 403-1, clause 5.6	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.3 TS 124 008, clause 10.5.4.20
TSSreference:	ISDN-UMTS/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the calling user (no call identity is used)	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The calling user must be a basic access.	

IU___xxSNTP02	**ISDN ref. to:** EN 300 055-1, clause 9.2.2 EN 300 403-1, clause 5.6.5	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.3
TSSreference:	ISDN-UMTS/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call re-establishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The calling user must be a basic access.	

IUI___xxSNCONF01	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B is in network N2. User A sends a SETUP message including a Facility IE which shall contain a BeginCONF invoke component to the network. The network shall respond with a CALL PROCEEDING and a CONNECT message which shall include a BeginCONF return result component in a Facility IE [in the (Active, Idle) state]. After the reception off the CONNECT message, user A is initiating the call hold procedure, the call is an Active-Held connection. User A sends a SETUP message to user B. After the call establishment, user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF02	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference from the Active call state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF03	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.3	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an existing call to the conference.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection. User A sends a SETUP message to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF04	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.6	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). User C is calling user A. User A receives a SETUP (with CRy) message. User A answers with a ALERTING message and initiates the call hold procedure, the call A-B is in the Active, Call Held state. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). NOTE : The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF05	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.7-A.8	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection. User A sends a SETUP message to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a FACILITY message with a Facility IE including a IsolateCONF invoke component to request the isolation of the remote user B. The network shall send a FACILITY message with a Facility IE including a IsolateCONF return result component. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been reattached to the conference ("other party reattached"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is reattached to the conference("reattached"). User A sends a FACILITY message with a Facility IE including a ReattachCONF invoke component to request the reattachment of the remote user B. The network shall send a FACILITY message with a Facility IE including a ReattachCONF return result component. NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF06	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.9	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and verify that one party can be spitted.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection. User A sends a SETUP message (CRy) to user C. After the call establishment [in the (Active, Idle) state] User A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a SETUP message including a Facility IE which shall contain SplitCONF invoke component to request the splitting of the remote user B. The network shall send a CALL PROCEEDING, ALERTING without Channelid IE and a CONNECT message with a SplitCONF return component. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been split from the conference ("other party split"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that user B is disconnected from the conference ("conference disconnected"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF07	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.10-A.12	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. Ensure that user A can establish a conference call with user B and user C. Verify that user B can be disconnected from user A (with a DropCONF invoke component in a FACILITY message) from the conference and that user A can terminate the conference using the basic call clear procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection. User A sends a SETUP message (CRy) to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User A sends a FACILITY message with a Facility IE including a DropCONF invoke component to request to disconnect the remote user B. The network shall send a FACILITY message with a Facility IE including a DropCONF return result component. User B shall be disconnected from the call with the normal call clearing procedures. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been disconnected from the conference ("other party disconnected").User A is terminating the conference sending a DISCONNECT message, the network response with RELEASE and the user with RELEASE COMPLETE. User C shall be disconnected from the network with the normal call clearing procedures. NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSNCONF08	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.11-A.12	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C. The remote user B can disconnect the conference and that user A can terminate the conference using the basic call clear procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. User B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection.User A sends a SETUP message (Cry) to user C. After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an **AddCONF** invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an **AddCONF** return result component. User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established"). User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added"). User B send a DISCONNECT message, the network shall send to user A a FACILITY message with a Facility IE including a PartyDISC invoke component with a parameter indicating the PartyId associated with the disconnected remote user. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B disconnected from the conference ("other remote user disconnected").User A is terminating the conference sending a DISCONNECT message, the network response with RELEASE and the user with RELEASE COMPLETE. User C shall be disconnected from the network with the normal call clearing procedures. NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSNCONF01	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish conference call from the Null call state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSNCONF02	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference from the Active call state.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added (CRx). The network shall respond to user A with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE. User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.8 is not in line with the recommendation Q.734.1. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSNCONF03	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.3	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an existing call to the conference.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSNCONF04	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.6	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can add an incoming call to the conference.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSNCONF05	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.7-A.8	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and isolate and reattach user B.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSNCONF06	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.9	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C and verify that one party can be spitted.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSNCONF07	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.10-A.12	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The user A is in network N1 and is provided with CONF. User B and C are in network N2. Ensure that user A can establish a conference call with user B and user C. Verify that user B can be disconnected from user A (with a DropCONF invoke component in a FACILITY message) from the conference and that user A can terminate the conference using the basic call clear procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSNCONF08	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.11-A.12	**PLMN ref. to:** EN 300 646, clause 6.1.1.8
TSSreference:	ISDN-UMTS/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a conference call with user B and user C. The remote user B can disconnect the conference and that user A can terminate the conference using the basic call clear procedure.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUI___xxSN3PTY 01	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2. User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. On receipt of a DISCONNECT message from the user **A** relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user **B** the notification "Remote hold". When user **A** sends a RETRIEVE message for CRx the network shall send a NOTIFY message to user B containing a Notification indicator IE with a notification description of "Conference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message. NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY 02	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B).The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with 3PTY.The user B and user C are in the network N2. User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. On receipt of a DISCONNECT message from the user **A** relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user **C** a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". The call A-C has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message. NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY03	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user B is released first.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2. User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the Cry). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. On receipt of a DISCONNECT message from the user **A** relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user **C** a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". On receipt of a DISCONNECT message from the user **A** relating to the Active-Idl connection (CRy) the network shall clear the call to user C with a DISCONNECT message. NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY04	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user C is released first.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY05	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user B sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY06	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user C sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY07	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY08	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B an C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. The served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRx. On receiving such an invoke component in a FACILITY message, the network shall: i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection; ii) release the three-way bridge; iii) return to the served user an End3PTY return result component, within a FACILITY message using the CRx of the Active-Held connection; iv) send a NOTIFY message to the remote user with which private communication is required containing a Notification indicator information element with a notification description of "Remote hold"; and, v) send a NOTIFY message to the other remote user containing a Notification indicator information element with a notification description of "Conference disconnected". When the served user receives a correctly encoded End3PTY return result component, within a FACILITYmessage, the user shall accept the provided information and shall: i) use the CR relating to the Active-Idle connection, perform the Hold function ii) use the CR relating to the Active-Held connection, perform the Retrieve function The network shall complete the Hold and Retrieve functions. On successful completion of the Hold function (i.e. the HOLD ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user that is not to be included in the private communication, containing a Notification indicator information element with a notification description of "Remote hold". On successful completion of the Retrieve function (i.e. RETRIEVE ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user for whom private communication is desired, containing a Notification indicator information element with a notification description of "Conference disconnected". (A Notification indicator information element with a notification description of "Remote retrieval" is not sent to the remote user under these circumstances.) As a result of the procedures of this item of this clause, the call state of the connections, at both the network and the served user, is unchanged. The auxiliary state of the connection of the private communication changes from Call Held to Idle. The auxiliary state of the other connection changes from Idle to Call Held. NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUI___xxSN3PTY09	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user C. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection. User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. If the remote user, for which a private communication is required, is identified at the served user by the CRy relating to the Active-Idle connection, the served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRy. On receiving such an invoke component in a FACILITY message, the network shall: i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection; ii) release the three-way bridge; iii) return to the served user an End3PTY return result component, within a FACILITY message, using the CRy of the Active-Idle connection; iv) send a NOTIFY message to both remote users containing a Notification indicator information element with a notification description of "Conference disconnected"; and, v) send to the remote user for which private communication is not required, either in the same NOTIFY message as (iv), or in a subsequent NOTIFY message, a Notification indicator information element with a notification description of "Remote hold". If any intervening protocol between the network of the served user and the network of the remote user does not support transmission of two notification descriptions in the same message, then this should be mapped at that point to a message containing a single notification description of "Conference disconnected", and a subsequent message containing a notification description of "Remote hold". When the served user receives a correctly encoded End3PTY return result component, within a FACILITY message, the user shall accept the provided information and take no further action. As a result of the procedures of this item of this clause, the call state and the auxiliary state of the connections, at both the network and the served user, are unchanged. The call clearing procedure is performed from user A with a DISCONNECT message NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSN3PTY01	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:		

IUG___xxSN3PTY02	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B).The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSN3PTY03	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user B is released first.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSN3PTY04	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release of both remote users, user C is released first.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSN3PTY05	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user B sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1 V4.2.2 (1999-05), clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSN3PTY06	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user C sends disconnect during the Three-Party communication.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSN3PTY07	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:	NOTE: The standard EN 300 646-1, clause 6.1.1.15 is not in line with the recommendation Q.734.2. The PLMN does not support the sending of notifications to the remote users.	

IUG___xxSN3PTY08	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IUG___xxSN3PTY09	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user C. The call clearing procedure is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSNCBS01	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 100 548
TSSreference:	ISDN-UMTS/Supplementary_services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	The Network B supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

IU___xxSNCBS02	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 100 548
TSSreference:	ISDN-UMTS/Supplementary_services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible and the network initiate call clearing to the calling user.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

IU___xxSNCCNR01	**ISDN ref. to:** EN 300 065-1	**PLMN ref. to:** EN 300 065
TSSreference:	ISDN-UMTS/Supplementary_services/CCNR	
ISDN selection criteria:	The user A is in network N1 and has subscribed to the CCNR supplementary service	
PLMN selection criteria:	The user B is in the network N2 and does not support CCNR.	
Test purpose:	User A calls user B which does not answer the call. User A's CCNR request is identified by the callLinkageID parameter. The network cannot accept user A's request identified by the callLinkageID parameter because CCNR is not available to the destination. The network A shall send a CCNR Request return error component indicating "longTermDenial" to user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:		

IU___xxSNAoC-01	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 086
TSSreference:	ISDN-UMTS/Supplementary_services/AoC	
ISDN selection criteria:		
PLMN selection criteria:	AoC	
Test purpose:	PLMN user B is provided with AoC-Charging and is using a mobile station which supports phase 2 supplementary services. ISDN user A calls user B. Ensure that the call establishment will be successful.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSNAoC-02	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 086
TSSreference:	ISDN-UMTS/Supplementary_services/AoC	
ISDN selection criteria:		
PLMN selection criteria:	AoC	
Test purpose:	PLMN user B is provided with AoC-Charging and is using a mobile station which does not support phase 2 supplementary services. ISDN user A calls user B. Ensure that the network will initiate call clearing to the calling user with cause value #63 "service or option not available, unspecified"	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:		
Comments:		

IU___xxSNMPTY01	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	ISDN-UMTS/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. User B is terminating the entire multi party call.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSNMPTY02	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	ISDN-UMTS/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user B and C. The user A is clearing the remote party C. The call clearing procedure to user A is performed from user B.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSNMPTY03	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	ISDN-UMTS/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

IU___xxSNMPTY04	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	ISDN-UMTS/Supplementary_services/MPTY	
ISDN selection criteria:	User A is in network N1	
PLMN selection criteria:	User B and user C are in network N2.	
Test purpose:	User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
ISDN parameter values:	BC = I_BC_ID	
PLMN parameter values:	GSM-BC = G_BC_ID	
Comments:		

7.2 Test purposes for UMTS-ISDN

7.2.1 Test purposes for UMTS-ISDN, Basic call

7.2.1.1 Successful

Successful
Speech

UI___SP__01	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = speech, no HLC	
PLMN parameter values:	GSM-BC=Speech, no HLC	
Comments:		

UI___SP__02	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = speech, no HLC	
PLMN parameter values:	GSM-BC=Speech, no HLC	
Comments:		

UI___SP__03	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 EG 210 018, clause 6.3.1	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = speech, HLC = telephony	
PLMN parameter values:	GSM-BC=Speech, HLC = telephony	
Comments:		

UI___SP__04	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 EG 210 018, clause 6.3.1	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8
TSSreference:	PLMN- ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = speech, HLC = telephony	
PLMN parameter values:	GSM-BC=Speech, HLC = telephony	
Comments:		

UI___SP__05	**ISDN ref. to:** EN 300 403-1, clause 3.1.10, clause 5.2	**PLMN ref. to:** TS 124 008, clause 7.3.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message can be transported correctly to the calling MS. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	B:? SETUP: BC = speech, HLC = telephony, B:! CONNECT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=Speech, HLC = telephony A:? CONNECT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Answer message (ANM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

UI___SP__06	**ISDN ref. to:** EN 300 403-1, clause 3.1, clause 5.2	**PLMN ref. to:** TS 124 008, clause 7.3.2, clause 5.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	To verify that progress indicator information included in the ISDN-ALERT message can be transported correctly to the calling MS. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	B:? SETUP: BC = speech, HLC = telephony, B:! ALERT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=Speech HLC = telephony A:? ALERT: progress indicator #2 "destination address is non-ISDN" .	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Address complete message (ACM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

Successful

3,1 kHz audio, ex PLMN

UI___AU__01	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/3,1 kHz audio, ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	a) BC = 3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC = 3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU__02	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	a) BC = 3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC = 3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU__03	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.2
TSSreference:	UMTS-ISDN/Basic call/Successful/3,1 kHz audio, ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE, no LLC, is correctly mapped to the **ISDN BC** parameter value information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the calling user.	
ISDN parameter values:	a) BC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE no LLC b) BC=3,1 kHz audio, no LLC (ETS 300 102-1)	
PLMN parameter values:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

UI___AU__04	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2, B.2.2
TSSreference:	UMTS-ISDN/Basic call/Successful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the **GSM-BC=3,1kHz** audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the **ISDN SETUP** with the **BC** parameter value information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE **LLC** = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user.	
ISDN parameter values:	a) BC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE BC = 3,1 kHz audio, no LLC (ETS 300 102-1) LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC.	

Values for test purposes UI___AU__03; UI___AU__04;	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

UI___AU__05	**ISDN ref. to:** EN 300 403-1, clause 3.1.10, clause 5.2	**PLMN ref. to:** TS 124 008, clause 7.3.2
TSSreference:	UMTS-ISDN/Basic call/Successful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message can be transported correctly to the calling MS. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	B:? SETUP: GSM-BC=3,1kHz audio, voice band data via modem B:! CONNECT: progress indicator #2 "destination address is non-ISDN".	
PLMN parameter values:	A:! SETUP: GSM-BC=3,1kHz audio ex PLMN, voice band data via modem A:? CONNECT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Answer message (ANM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

UI___AU__06	**ISDN ref. to:** EN 300 403-1, clause 3.1, clause 5.2	**PLMN ref. to:** TS 124 008, clause 7.3.2, clause 5.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	To verify that progress indicator information included in the ISDN ñ ALERT message can be transported correctly to the calling MS. Ensure that in the call delivered state (N4) the transfer of tone or announcement on the traffic-channel is performed correctly. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	B:? SETUP: GSM-BC=3,1kHz audio, voice band data via modem B:! ALERT: progress indicator #2 "destination address is non-ISDN" .	
PLMN parameter values:	A:! SETUP: GSM-BC=3,1kHz audio ex PLMN, voice band data via modem A:? ALERT: progress indicator #2 "destination address is non-ISDN".	
Comments:	The progress indicator information element is transported in the Access Transport parameter of the Address complete message (ACM). The access transport parameter will be transported transparently. It is the responsibility of the end points to ensure compatibility.	

UI___AU__07	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-ISDN/Basic_call/Successful/HSCSD ñ 3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the **ISDN BC** with the parameter values: information transfer capability 3,1 kHz audio voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
Comments:		

UI___AU__08	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successful/HSCSD ñ 3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the **ISDN BC** with the parameter values: information transfer capability 3,1 kHz audio voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and the and the **LLC** with the parameter values: information transfer capability 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UI___AU__07 and UI___AU__08	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_09	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4

Values for test purpose UI___AU__07 and UI___AU__08	
VA_12	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_13	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_14	MODE: asynchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_15	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_16	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Successful

UDI

UI___UD__01	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
PLMN parameter values:	GSM-BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
Comments:	The user bit rate is out of scope of this test case	

UI___UD__02	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
PLMN parameter values:	GSM-BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
Comments:	The user bit rate is out of scope of this test case	

UI___UD__03	**ISDN ref. to:** EN 300 403-1, clause 5.2, clause 4.5.5	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2; B 2.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the **GSM-BC** = UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC = UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the **ISDN SETUP** with the **BC** parameter value information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE **LLC** = UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user.	
ISDN parameter values:	a) BC = UDI, V.110/X.30 synchronous/asynchronous mode: MODE user rate: USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UI___DU__03	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

UI___DU__04	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successful	
ISDN selection criteria:	UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the **ISDN BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels are performed correctly.	
ISDN parameter values:	BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30 Synchronous/asynchronous mode: MODE Fix network user rate: FNU_RATE Maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
Comments:		

UI___UD__05	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successful	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the **ISDN BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and the and the **LLC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. In the active call state ensure that the data transfer on the traffic and B-channels are performed correctly.	
ISDN parameter values:	BC= UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE LLC= UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UI___HU__04 and UI___HU__05	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_09	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4

VA_12	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_13	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_14	MODE: asynchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_15	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_16	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Successful

Facsimile group 3

UI___FX__01	**ISDN ref. to:** EN 300 403-1, clause 4.5.17 EG 210 018	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1
TSSreference:	UMTS-ISDN/Basic call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, no HLC	
Comments:		

UI___FX__02	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1; B 2.11
TSSreference:	UMTS-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UI___FX__03	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.11
TSSreference:	UMTS-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" inserted by the network are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, no HLC	
Comments:		

UI___FX__04	**ISDN ref. to:** EN 300 403-1, clause 4.5.17	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.11, B.2.11
TSSreference:	UMTS-ISDN/Basic_call/Successful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly mapped to the ISDN BC value "3,1 kHz audio" and the HLC "facsimile G2/G3" received from the MS are delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

UI___AF__01	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:		

UI___AF__02	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:		

UI___AF__03	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.1	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:		

UI___AF__04	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are mapped to the ISDN BC value "3,1 kHz audio" without HLC. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:		

UI___AF__06	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC = Facsimile G2/G3. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	first GSM-BC = Facsimile G3, no HLC second GSM-BC=speech	
Comments:		

UI___AF__07	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating the service "facsimile G3" and the second indicating "speech" are mapped to the ISDN BC value "3,1 kHz audio" with the HLC = Facsimile G2/G3. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3 second GSM-BC=speech	
Comments:		

Successful

Alternate Speech/Data

UI___AD__01	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.3.1.2 TS 127 001, annex B.1.6
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

UI___AD__02	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.1	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.3.1.2 TS 127 001, B 1.6
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

UI___AD__03	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.1	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.3.1.2 TS 127 001, B 1.6
TSSreference:	UMTS-ISDN/Basic_call/Successful/Alternate speech and data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio" ex PLMN are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	First GSM-BC=speech Second GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

UI___AD__04	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.3.1.2 TS 127 001, B 1.6
TSSreference:	UMTS-ISDN/Basic call/Successful/Alternate speech and data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio" ex PLMN) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UI___AD__01 to UI___AD__04	
VA_01	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

Speech followed by data

UI___FD__01	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech followed by data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	First GSM-BC=speech Second GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

UI___FD__02	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech followed by data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

UI___FD__03	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech followed by data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio" ex PLMN) are mapped to the ISDN BC value "3,1 kHz audio". Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	First GSM-BC=speech Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

UI___FD__04	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,
TSSreference:	UMTS-ISDN/Basic_call/Successful/Speech followed by data	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN) and LLC are mapped to the ISDN BC value "3,1 kHz audio" without LLC. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, no HLC	
PLMN parameter values:	First GSM-BC=speech Second GSM-BC =3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC =3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UI___FD__01 to UI___FD__04	
VA_01	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

Emergency Calls

UI___EC__01	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

UI___EC__02	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successful/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12;	
Test purpose:	Emergency call from a MS with a valid SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

UI___EC__03	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS without a SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

UI___EC__04	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 4.5.1.5 clause 5.2.1 TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successful/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS without a SIM card. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

UI___EC__05	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 4.5.1.5, clause 5.2 TS 129 007, clause 10.2
TSSreference:	UMTS-ISDN/Basic_call/Successful/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognized by the VLR.	

UI___EC__06	**ISDN ref. to:** EN 300 403-1, clause 4.5.5, clause 5.2	**PLMN ref. to:** TS 124 008, clause 4.5.1.5, clause 5.2.1 TS 129 007, clause 10.2.1
TSSreference:	UMTS-ISDN/Basic_call/Successful/Emergency Call	
ISDN selection criteria:	Emergency service, bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic and B-channels is performed correctly.	
ISDN parameter values:	BC=speech, no HLC	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognized by the VLR.	

7.2.1.2 Unsuccessful

Unsuccessful

Speech

UI___SP_U01	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

UI___SP_U02	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

UI___SP_U03	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

UI___SP_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

UI___SP_U05	**ISDN ref. to:** EN 300 403-1, clause 5.1.9, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech;	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

UI___SP_U06	**ISDN ref. to:** EN 300 403-1, clause 5.2, annex M; TS 124 008 annex B.3.2	**PLMN ref. to:** TS 124 008, annex H.5.3
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

UI___SP_U07	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Speech	
ISDN selection criteria:	Bearer service speech	
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=speech	
Comments:		

Unsuccessful

3,1 kHz audio ex PLMN

UI___AU_U01	**ISDN ref. to:** 300 403-1, clause 5.2.1	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

UI___AU_U02	**ISDN ref. to:** EN 300 403-1, 5.2.5.3	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU_U03	**ISDN ref. to :** EN 300 403-1, clause 5.2.5.4.	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 " no user responding".	
ISDN parameter values:	BC=3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4.	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU_U05	**ISDN ref. to:** EN 300 403-1, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU_U06	**ISDN ref. to:** EN 300 403-1, clause 5.2.2, annex M	**PLMN ref. to:** TS 124 008, annex B.3.2, H 5.3
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

UI___AU_U07	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	a) BC=3,1 kHz audio, voice band data via modem (EN 300 403-1) b) BC=3,1 kHz audio (ETS 300 102-1)	
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	According ETS 300 102-1 clause 4.5.5 note 4 the octets 6, 6a, 6b, 6c in the GSM-BC shall not be mapped to the octets 5a, 5b, 5c and 5d in the ISDN-BC	

Unsuccessful

UDI

UI___UD_U01	**ISDN ref. to:** EN 300 403-1, clause 5.1.4	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI___UD_U02	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4.	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transport the cause value to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI___UD_U03	**ISDN ref. to :** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI___UD_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI___UD_U05	**ISDN ref. to:** EN 300 403-1, clause 5.3, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI___UD_U06	**ISDN ref. to:** EN 300 403-1, clause 5.3, annex M	**PLMN ref. to:** TS 124 008, annex H.5.3
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UI___UD_U07	**ISDN ref. to:** EN 300 403-1, clause 5.3, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/UDI	
ISDN selection criteria:	Bearer service UDI	
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

Unsuccessful

Facsimile group 3

UI___FX_U01	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

UI___FX_U02	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.1	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC= facsimile G3	
Comments:		

UI___FX_U03	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called user is nor responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

UI___FX_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

UI___FX_U05	**ISDN ref. to:** EN 300 403-1, clause 5.1.9, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

UI___FX_U06	**ISDN ref. to:** EN 300 403-1, clause 5.2.2, annex M	**PLMN ref. to:** TS 124 008, annex H. 5.3
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

UI___FX_U07	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Facsimile G3	
ISDN selection criteria:	Telefax G3 terminals	
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC=3,1 kHz audio, HLC = Facsimile G2/G3	
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

Unsuccessful

Alternate speech and facsimile group 3

UI___AF_U01	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
ISDN parameter values:		
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:	NOTE: Some ISDNs provide announcements instead of sending cause value #1.	

UI___AF_U02	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.1	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transports the cause value to the calling user.	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UI___AF_U03	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding".	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UI___AF_U04	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UI___AF_U05	**ISDN ref. to:** EN 300 403-1, clause 5.1.9, clause 5.3.2, annex M	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UI___AF_U06	**ISDN ref. to:** EN 300 403-1, clause 5.2.2, annex M	**PLMN ref. to:** TS 124 008, annex H.5.3
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UI___AF_U07	**ISDN ref. to:** EN 300 403-1, annex M	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Alternate speech and facsimile group 3	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
ISDN parameter values:	BC = 3,1 kHz audio, no HLC	
PLMN parameter values:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

Unsuccessful

Emergency Calls

UI___EC_U01	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Emergency Calls	
ISDN selection criteria:	Emergency service; bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy" the network transports the cause value to the calling user.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

UI___EC_U02	**ISDN ref. to:** EN 300 403-1, clause 5.2.5.4	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-ISDN/Basic_call/Unsuccessful/Emergency Calls	
ISDN selection criteria:	Emergency service; bearer service speech	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from a MS with a valid SIM Card. Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no answer from user (user alerted)".	
ISDN parameter values:	BC=speech	
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

7.2.2 Test purposes for UMTS-ISDN Supplementary services

Supplementary Services

UI___xxSSCLIP01	**ISDN ref. to:** EN 300 092-1 EN 300 403-1, clause 4.5.10, clause 4.5.11	**PLMN ref. to:** TS 124 008, clause 9.3.23.2, TS 123 081, clause 1 TS 124 081, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/Speech/CLIP	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID, Calling party number: PI=PA TON= national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party subaddress	
Comments:		

UI___xxSSCLIP02	**ISDN ref. to:** EN 300 092-1, clause 9.3 EN 300 403-1, clause 4.5.10	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 1, TS 124 081, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/Speech/CLIP	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIP	
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
ISDN parameter values:	BC=I_BC_ID, Calling party number: PI=PA TON= national/international number SI=NP NPI=ISDN/Telephony numbering plan	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCLIR01	**ISDN ref. to:** EN 300 093-1 ETS 300 092-1/A2 figure 2	**PLMN ref. to:** TS 124 008 clause 9.3.23.2 TS 123 081, clause 2, TS 124 081, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/Speech/CLIR/TC810201	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter values:	BC=I_BC_ID, Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter values:	GSM-BC=G_BC_ID Calling party subaddress	
Comments:		

UI___xxSSCLIR02	**ISDN ref. to:** EN 300 093-1 clause 9.4.1 ETS 300 092-1/A2 figure 2	**PLMN ref. to:** TS 124 008 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/Speech/CLIR	
ISDN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription Ensure that when no Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
ISDN parameter values:	BC=I_BC_ID, Calling party number: PI=PR TON = NP I= unknown SI=NP	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCOLP01	**ISDN ref. to:** EN 300 097-1 clause 9.5.1	**PLMN ref. to:** TS 124 008 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/Speech/COLP	
ISDN selection criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
ISDN parameter values:	Connected subaddress number	
PLMN parameter values:	GSM-BC=G_BC_ID Connected number PI=PA, SI=UPVP, TON= national/international number, NPI=ISDN/Telephony numbering plan (ITU- T Recommendation E.164/E.163) Connected subaddress number	
Comments:		

UI___xxSSCOLP01	**ISDN ref. to:** EN 300 097-1 clause 9.5.1	**PLMN ref. to:** TS 124 008 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/Speech/COLP	
ISDN selection criteria:	COLP	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	Ensure that when no Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID Connected number: SI=NP PI=PA TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

UI___xxSSCOLR01	**ISDN ref. to:** EN 300 098-1 clause 9.3.1, clause 9.4.1 ETS 300 097-1/A2 figure 4	**PLMN ref. to:** TS 124 008 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/COLR	
ISDN selection criteria:	COLR	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when no Connected number is provided by the called user (and no Connected subaddress), the Connected number information element is network provided and delivered to the calling user without any digit information.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

UI___xxSSCUG01	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
PLMN selection criteria:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI) Suppress Pref. CUG (SPC); Suppress OA (SOA)	
Comments:		

UI___xxSSCUG02	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message **with** a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

UI___xxSSCUG03	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message **without** a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

UI___xxSSCUG04	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4 ITU-T Recommendation Q.735	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
PLMN selection criteria:	The calling user belongs to the **same** CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message **without** a Facility IE.	
ISDN parameter values:	BC=I_BC_ID,	
PLMN parameter values:	GSM-BC=G_BC_ID ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

UI___xxSSCUG05	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), the called user receives a SETUP message **with** a Facility IE.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
Comments:		

UI___xxSSCUG06	**ISDN ref. to:** EN 300 138-1, clause 9.2.2	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user is **not a CUG subscriber**	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message **without** a Facility IE.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

UI___xxSSCUG07	**ISDN ref. to:** EN 300 138-1, clause 9.2.3	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
PLMN selection criteria:	The calling user is not member of CUG	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #"87 user not a member of CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCUG08	**ISDN ref. to:** EN 300 138-1, clause 9.2.2	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user is not member of CUG	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
Comments:		

UI___xxSSCUG09	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	The called user belongs to the **same** CUG with the following CUG supplementary options: **not IA; ICB**	
PLMN selection criteria:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
Comments:		

UI___xxSSCUG10	**ISDN ref. to:** EN 300 138-1, clause 9.2.2, clause 9.2.4	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-ISDN/Supplementary_services/CUG	
ISDN selection criteria:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**	
PLMN selection criteria:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a cUGCall invoke component encoded as "Outgoing access with default value, CUG index" and sends an ALERTING or CONNECT message.	
ISDN parameter values:	BC=speech; Facility IE with cUGCall invoke component: "Outgoing access with default value, CUG index"	
PLMN parameter values:	GSM-BC=G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
Comments:		

UI___xxSSSUB01	**ISDN ref. to:** EN 300 061-1, clause 9.2 EN 300 403-1, clause 4.5.9	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5
TSSreference:	UMTS-ISDN/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
ISDN parameter values:	BC=speech, Called party subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID Called party subaddress	
Comments:		

UI___xxSSSUB02	**ISDN ref. to:** EN 300 061-1, clause 9.2 EN 300 403-1, clause 4.5.9	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5
TSSreference:	UMTS-ISDN/Supplementary_services/SUB	
ISDN selection criteria:	SUB	
PLMN selection criteria:	SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
ISDN parameter values:	BC=I_BC_ID, Called party subaddress	
PLMN parameter values:	GSM-BC=G_BC_ID Called party subaddress	
Comments:		

UIU__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to user" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke = NotifySS[CFU,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is user determined user busy. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user **C** is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) included in the incoming SETUP message from the network. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU04	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= Yes)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñpartial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU05	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= No)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion. User **B** is notified of call diversion. User **C** receives the reason for call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to user" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **B** is not notified of call diversion. User **C** should not be informed of the forwarding number. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFU03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls termination B, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFU04	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= Yes)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFU05	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= No)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** receives the reason for call diversion Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to user" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFU03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is busy.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFU04	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= Yes)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFU05	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= No)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to user" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke = NotifySS[CFU,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	To verify that a call is released correctly if CFU was not successful. User A calls user B, the call is forwarded to user C who is user determined user busy. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user **C** is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) included in the incoming SETUP message from the network. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU04	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= Yes)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFU05	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFU("calling user is Notified of call diversion" **= No)**	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?** GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?**GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?** GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke =NotifySS(CFB, SS-Notification) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?** GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**, "served user receives notification that the call has been forwarded" = **Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?**GSM-BC=G_BC_ID;	
Comments:	User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from the network. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFB06	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number). Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB07	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB08	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB09	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is informed of the reason for diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is not informed of the reason for diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is informed of the reason for diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion, and C is not informed of the reason for diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**, "served user receives notification that the call has been forwarded" = **Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from the network. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UII__xxSSCFB06	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB07	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB08	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB09	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of the forwarding number. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**, "served user receives notification that the call has been forwarded" = **Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from the network. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIP__xxSSCFB06	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB07	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB08	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFB09	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB 01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?** GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified with of call diversion a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?**GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB**("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?** GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**, "served user receives notification that the call has been forwarded" =**No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A and B are not notified and C is notified of call diversion with a FACILITY IE (Invoke = NotifySS(CFB, SS-Notification) contained in a SETUP message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB active	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?** GSM-BC=G_BC_ID;	
Comments:		

UIU__xxSSCFB05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**, "served user receives notification that the call has been forwarded" = **Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	To verify that a call is released correctly if CFB was not successful. User A calls busy termination B (that one B-channel is free), the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFB active, User B is in the UDUB condition	
PLMN parameter values:	**A: !** GSM-BC=G_BC_ID; **C: ?**GSM-BC=G_BC_ID;	
Comments:	User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) included in the incoming SETUP message from the network. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFB06	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB07	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-NDUB** ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB08	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB09	**ISDN ref. to:** EN 300 207-1, clause 10.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of **CFB-UDUB** ("calling user is Notified of call diversion" **= No)**.	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network.	

UIU__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network.	

UIU__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFNR06	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR07	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR09	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** receives the reason for call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. User A and user C are not Notified of call diversion Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** receives the reason for call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A user B and user C are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR06	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR07	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFNR09	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. User A and user B are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A and user B are not Notified of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIP__xxSSCFNR06	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR07	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIP__xxSSCFNR09	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFNR02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls busy user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network.	

UIU__xxSSCFNR03	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFNR04	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= No**, with diverted-to number, "diverting number is released to the diverted-to User" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A and user B are not Notified and user C is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network.	

UIU__xxSSCFNR05	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number, "diverting number is released to the diverted-to User" **= Yes**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CFNR was not successful. Ensure that when user A calls user B, if unanswered, the call is forwarded to user C who is user determined user busy.	
ISDN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User **A** is Notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, user **C** is Notified of call diversion with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) included in the incoming SETUP message from the network. User **B** is Notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	

UIU__xxSSCFNR06	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR07	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 10.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option A, late release) ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is not notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message of call diversion. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR08	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= Yes**, with diverted-to number).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is notified with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR-partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFNR09	**ISDN ref. to:** EN 300 403-1, clause 9.2.2, clause 9.2.4.4, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	UMTS-ISDN/Supplementary_services/CFNR	
ISDN selection criteria:	The user B is in network N2. **Partial rerouting** provided in PTNX in case of CFNR (option B, immediate release). ("calling user is Notified of call diversion" **= No**).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User **A** is **not** notified with a FACILITY (Invoke =NotifySS[CFNR SS-Notification]) message. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFNR ñ partial rerouting	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI__xxSSHOLD01	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/HOLD	
ISDN selection criteria:	The calling user is provided with HOLD	
PLMN selection criteria:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved	
ISDN parameter values:	BC=I_BC_ID,	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSHOLD02	**ISDN ref. to:** EN 300 141-1, clause 7 ETS 300 196, clause 7.1	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/HOLD	
ISDN selection criteria:	The called user is provided with HOLD	
PLMN selection criteria:	HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCW01	**ISDN ref. to:** EN 300 058-1, clause 7 EN 300 403-1, clause 4.5.2.1	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CW	
ISDN selection criteria:	The called user is provided with CW	
PLMN selection criteria:	CW	
Test purpose:	Ensure that the called ISDN user is busy, the called user is notified of the call waiting.	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCW02	**ISDN ref. to:** EN 300 058-1, clause 7 EN 300 403-1, clause 4.5.2.1	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CW	
ISDN selection criteria:	The called user is provided with CW	
PLMN selection criteria:	CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired	
ISDN parameter values:	BC=speech	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1i01	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
ISDN parameter values:	BC=I_BC_ID,	
PLMN parameter values	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1i02	**ISDN ref. to:** EN 300 055-1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** TS 124 008, clause 10.5.4.25
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
ISDN parameter values:	BC= BC=I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC=G_BC_ID UI length = 32	
Comments:		

UI___xxSSUUS1i03	**ISDN ref. to:** EN 300 055-1, clause 9.1.2.1 EN 300 403-1, clause 4.5.30	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter values:	BC=I_BC_ID, UI length = 32	
PLMN parameter values:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

UI___xxSSUUS1i04	**ISDN ref. to:** EN 300 055-1, clause 9.1.2.2.1a EN 300 403-1,	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
ISDN parameter values:	BC= BC=I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC= G_BC_ID, UI length = 32	
Comments:		

UI___xxSSUUS1i05	**PLMN ref. to** EN 300 055-1, clause 9.1.2.2.1b EN 300 403-1	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1	
ISDN selection criteria:	UUS1i	
PLMN selection criteria	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user	
ISDN parameter values:	BC=I_BC_ID, UI length = 32	
PLMN parameter values	GSM-BC=G_BC_ID UI length = 32	
Comments:		

UI___xxSSUUS1i06	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** TS 124 008, clause 10.5.4.25,
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1i	
ISDN selection criteria:	UUS1i	
PLMN selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	The requested UUS is not supported in Network B. Verify that UUI can be discarded by the network without disrupting normal call handling	
ISDN Parameter values:	BC=I_BC_ID, UI length = 32	
PLMN parameter values:	GSM-BC=G_BC_ID UI length = 32	
Comments:	.	

UI___xxSSUUS1e01	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**UUS not required**" (not-essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e02	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**UUS not required**", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the ALERTING message sent to the called network. The called network shall include the error value in the alerting indication sent to the calling network. The calling network shall also include this rejection in the corresponding ALERTING message sent to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e03	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.4
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the CONNECT message sent to the called network. The called network shall include the error value in the connect indication sent to the calling network. The calling network shall also include this rejection in the corresponding CONNECT message sent to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e04	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124.087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	Destination **network** rejects **explicit** the UUS1 request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**UUS not** required", the destination **network** rejects **explicit** the UUS1 request without disrupting normal call handling. The calling network shall include a service 1 rejection with the error value "rejectedByUser" in a CALL PROCEEDING, PROGRESS, ALERTING or CONNECT message to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	If the network already has or has obtained the knowledge that the network itself or the called user cannot support service 1 and it was explicitly requested as non-essential, a "service 1 not provided" indication is returned in the user-to-user indicators parameter in the address complete, call progress, answer, connect, or release messages.	

UI___xxSSUUS1e05	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**UUS required**" (essential), the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user	
ISDN Parameter values:	BC=I_BC_ID,	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e06	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**UUS required**", if the called user rejects the call with a RELEASE COMPLETE message indicating cause value #29 "facility rejected", the network transport the cause value to the calling user. A UUS1 rejection with Error value "rejectedByUser" shall be included in the message. The calling network shall include the cause value and the error value received from the called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e07	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**UUS required**", the called network receives an ALERTING message from the called user including an explicit service 1 rejection the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and the error value "rejectedByUser". In addition, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" The calling network shall include the cause value and the error value received from the Called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e08	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**UUS required**", the called network receives an CONNECT message from the called user including an explicit service 1 rejection the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and the error value "rejectedByUser". In addition, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" The calling network shall include the cause value and the error value received from the called network in the DISCONNECT message sent to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e09	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:	Called network does not receive an explicit service 1 acceptance	
Test purpose:	Ensure that after explicit request of UUS1 indicating "**UUS required**", If the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message sent to the calling user. Furthermore, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" to the called user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS1e10	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1
TSSreference:	UMTS-ISDN/Supplementary_services/UUS1e	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after explicit request of UUS1 indicating "**UUS required**", and the called network already has obtained knowledge that **the network itself cannot support** service 1 a DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1 rejection with the error value "rejectedByNetwork".	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS201	**ISDN ref. to:** EN 300 055-1, clause 9.2.2.1	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS202	**ISDN ref. to:** EN 300 055-1, clause 9.2.1.2	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, a UUS2 rejection with the Error value "rejected by the user, it is returned to the calling user in a ALERTING message sent from the network and the call can be established.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS203	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
ISDN Parameter values:	GSM-BC=G_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS204	**ISDN ref. to:** EN 300 055-1, clause 9.1.1.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:	UUS is implicit rejected	
Test purpose:	The calling (served) user is provided with UUS2 explicit request as "**UUS not required**" (not-essential). Verify that the UUS2 implicit network rejection can be correctly handled.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UU___xxSSUUS205	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating N**UUS required**", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
ISDN Parameter values:	GSM-BC=G_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UU___xxSSUUS206	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-ISDN/Supplementary_services/UUS2	
ISDN selection criteria:	UUS 2e, point-to-point configuration	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS2 indicating N**UUS required**", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
ISDN Parameter values:	GSM-BC=G_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS301	**ISDN ref. to:** EN 300 055-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "**UUS not required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS302	**ISDN ref. to:** EN 300 055-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:	Ensure that after the calling user request UUS3 during call establishment indicating "**UUS not required**", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, a UUS3 rejection with the Error value "rejected by the user" is included in the CONNECT message sent to the calling user.	
Test purpose:		
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS303	**ISDN ref. to:** EN 300 055-1, clause 9.3.1.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "**required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS304	**ISDN ref. to:** EN 300 055-1, clause 9.3.2.1 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS1e	
PLMN selection criteria:		
Test purpose:	Ensure that after activation of UUS3 during the Active call state indicating "**UUS not required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSUUS305	**ISDN ref. to:** EN 300 055-1, clause 9.3.2.2 EN 300 403-1, clause 7	**PLMN ref. to:** EN 300 646-1 TS 124 087
TSSreference:	UMTS-ISDN/Supplementary_services/UUS3	
ISDN selection criteria:	UUS3	
PLMN selection criteria:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "**UUS not required**", if the called user rejects the service 3 request, the network can transport the FACILITY message including a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU___xxSSECT01	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state-Call Held auxiliary state** and the call **A-C** is in the **Active call state** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU___xxSSECT02	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call sate** and the call **A-C** is in the **Active call state ñ Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU___xxSSECT03	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Call Delivered State** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU___xxSSECT04	**ISDN ref. to:** EN 300 369-1, clause 9	**PLMN ref. to:** TS 124 008
TSSreference:	UMTS-ISDN/Supplementary_services/ECT	
ISDN selection criteria:	ECT	
PLMN selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state** and the call **A-C** is in the **Call Delivered State-Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCCBS01	**ISDN ref. to:** EN 300 359-1, clause 9.1.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

MS A NETWORK

SETUP

(Bearer capability, CC capabilities, Called party BCD number)

DISCONNECT

<---

((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible, allowed actions = CCBS Possible)

RELEASE

Facility (Invoke = AccessRegisterCCEntry)

RELEASE COMPLETE

<---

Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (Note 5)

NETWORK
RR CONNECTION ESTABLISHED

<---

CM SERVICE PROMPT

<---

START CC

CC ESTABLISHMENT

<---

(Setup container)

CC ESTABLISHMENT CONFIRMED

(BC"(s)),

RECALL

<---

Facility (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode, Alerting Pattern))

SETUP

UI___xxSSCCBS02	**ISDN ref. to:** EN 300 359-1, clause 9.1.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

Values for test purpose UI___xxSSCCBS02	
VA_01	GSM-BC=Speech G_BC_ID_CONT = speech G_BC_ID_CC_E_C = speech G_HLC_ID_CC_E_C= telephony
VA_02	GSM-BC=Speech GSM-HLC= telephony G_BC_ID_CONT = speech G_HLC_ID_CONT= telephony G_BC_ID_CC_E_C = speech G_LLC_ID_CC_E_C = 3,1 kHz audio G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN G_BC_ID_CONT = 3,1 kHz audio ex PLMN G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3 G_BC_ID_CONT = facsimile G3 G_BC_ID_CC_E_C = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3 G_HLC = Facsimile G2/G3 G_BC_ID_CONT = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3 G_BC_ID_CC_E_C = facsimile G3

UI___xxSSCCBS03	**ISDN ref. to:** EN 300 359-1, clause 9.4.3.1, clause 9.4.4.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent) and when user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

UI___xxSSCCBS04	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) and when user B has responded to the call with a CONNECT message, the MS A receives an CONNECT message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

UI___xxSSCCBS05	**ISDN ref. to:** EN 300 359-1, clause 9.5.4.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and release the existing call.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCCBS 06	**ISDN ref. to:** EN 300 359-1, clause 9.5.4.2	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCCBS 07	**ISDN ref. to:** EN 300 359-1, clause 9.2.1, clause 9.4.4.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.3
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) the user can deactivate a specific CCBS request	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REUISTER message, with the Facility information element, indicating EraseCCEntry.	

UI___xxSSCCBS 08	**ISDN ref. to:** EN 300 359-1, clause 9.2.1, clause 9.4.4.1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.4
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state), the user can deactivate outstanding CCBS requests	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSSCCBS 09	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

UI___xxSSCCBS 10	**ISDN ref. to:** EN 300 359-1	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall, the MS sends a RELEASE COMPLETE message.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

INTERACTIONS

UIU__xxSICFU_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSICFU_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSICFB_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSSCFB_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-NDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSICFB_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**).	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-NDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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UIU__xxSICFNR_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSICFNR_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**)	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

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UIU__xxSICFNR_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**).	
PLMN selection criteria:	User A is provided with CLIP and COLP. User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU__xxSICFNR_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**)	
PLMN selection criteria:	User A is provided with CLIR and COLP. User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFU_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** receives the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFU_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**). User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFU_CLIP_ COLP03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = **No**, with diverted-to number, "diverting number is released to the diverted-to user "**= No**, "served user receives notification that the call has been forwarded" =**No**) and CLIR. User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB_CLIP_ COLP01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** receives the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFB_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**). User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFB_CLIP_COLP03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**UDUB** ("calling user is notified of call diversion" = **No**, with diverted-to number, "diverting number is released to the diverted-to user "**= No**, "served user receives notification that the call has been forwarded" =**No**) and CLIR. User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User A is not notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSSCFB_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.4.3, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	UMTS-ISDN/Supplementary_services/CFB	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address. User **C** receives the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFB_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**, "served user receives notification that the call has been forwarded" =**Yes**). User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFB_CLIP_COLP06	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **No**, with diverted-to number, "diverting number is released to the diverted-to user "**= No**, "served user receives notification that the call has been forwarded" =**No**) and CLIR. User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFB-UDUB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFNR_CLIP_COLP01	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** receives the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFNR_CLIP_COLP02	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**) User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFNR_CLIP_COLP03	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion" = **No**, with diverted-to number, "diverting number is released to the diverted-to user "**= No** and CLIR. User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFNR_CLIP_COLP04	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**). User C is provided with CLIP.	
PLMN selection criteria:	User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** receives the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFNR_CLIP_COLP05	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion" = **Yes**, with diverted-to number, "diverting number is released to the diverted-to user "**= Yes**) User C is provided with COLR and CLIP.	
PLMN selection criteria:	User A is provided with CLIR and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR,SS-Notification]) message and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation allowed". Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSICFNR_CLIP_COLP06	**ISDN ref. to:** EN 300 207-1, clause 9.2.2, clause 9.2.5	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	UMTS-ISDN/Supplementary_services/CFU	
ISDN selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release) ("calling user is notified of call diversion" = **No**, with diverted-to number, "diverting number is released to the diverted-to user "**= No** and CLIR. User C is provided with CLIP.	
PLMN selection criteria:	The user A and the user C are in network N1. User A is provided with CLIP and COLP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User A is not notified of call diversion and not informed of the diverted-to number. User C can receive the ***Redirecting number*** IE giving the reason for call diversion with the presentation indicator set to "presentation restricted ". Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
ISDN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

NON-SYMMETRICAL TESTS

UI___xxSNTP01	**ISDN ref. to:** EN 300 055-1, clause 9.2.1 EN 300 403-1, clause 5.6	**PLMN ref. to:** EN 300 646-1clause 6.1.1.3
TSSreference:	UMTS-ISDN/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that the calling user is notified of the call suspension and resumption by the called user.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The called user must be a basic access.	

UI___xxSNTP02	**ISDN ref. to:** EN 300 055-1, clause 9.2.2 EN 300 403-1, clause 5.6.5	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.3
TSSreference:	UMTS-ISDN/Supplementary_services/TP	
ISDN selection criteria:	TP	
PLMN selection criteria:		
Test purpose:	Ensure that when the call is suspended, with the expire of timer T307 before the call re-establishment, the network starts call clearing to the (still) active side with cause value #102 "recovery on timer expire".	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The called user must be a basic access.	

UI___xxSNMCID01	**ISDN ref. to:** EN 300 130-1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-ISDN/Supplementary_services/MCID	
ISDN selection criteria:	MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNMCID02	**ISDN ref. to:** EN 300 130-1	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-ISDN/Supplementary_services/MCID.	
ISDN selection criteria:	MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state, the call is registered.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNMPTY0101	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY/TC820301	
ISDN selection criteria:	MTPY	
PLMN selection criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C. User A is terminating the entire multi party call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The ISDN user B is in network N2. The PLMN user A and PLMN user C are in network N1. User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

UI___xxSNMPTY02	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The ISDN user B is in network N2. The PLMN user A and PLMN user C are in network N1. User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

UI___xxSNMPTY03	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

UI___xxSNMPTY04	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084, TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
ISDN Parameter values:	BC=I_BC_ID,	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UI___xxSNMPTY05	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UI___xxSNMPTY06	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

UI___xxSNMPTY07	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSMñBC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

UI___xxSNMPTY08	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

UI___xxSNMPTY09	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1.Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNMPTY10	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
ISDN Parameter values:	BC=I_BC_ID,	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNMPTY11	**ISDN ref. to:** EN 300 403-1, clause 5.2	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-ISDN/Supplementary_services/MPTY	
ISDN selection criteria:	MPTY	
PLMN selection criteria:		
Test purpose:	The ISDN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD01	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD02	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD03	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD/TC820503	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. Afterwards the network shall release user B with a DISCONNECT message with cause #31 and a facility IE with a CallDeflection return result component.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD04	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD05	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD06	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user"	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Call Received Call state N07 the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD07	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD08	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; (Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user").	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD09	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25 receives a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Connect Request call state N08, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD10	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Call Received call state N07. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD11	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and PLMN user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Incoming Call Proceeding call state N09. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCD12	**ISDN ref. to:** EN 300 207	**PLMN ref. to:** TS 124 008, clause 5.2
TSSreference:	UMTS-ISDN/Supplementary_services/CD	
ISDN selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CD. The PLMN user A and user C are in network N1. Ensure that when user A calls user B, the local exchange of user B goes to the Overlap Receiving call state N25. Then user B sends a FACILITY message containing a Facility information element coded as CallDeflection invoke component. The network performs the call deflection to user C. On the indication that the diverted-to network is in the Active state, the user B receives a DISCONNECT or RELEASE message with cause #31.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UI___xxSNCBS01	**ISDN ref. to:**	**PLMN ref. to:** TS 123 088
TSSreference:	UMTS-ISDN/Supplementary_services/Call barring service	
ISDN selection criteria:		
PLMN selection criteria:	Call barring service	
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UIU___xxSNCONF01	ISDN ref. to: EN 300 185-1, clause 9.2.2, annex A, figure A.2	PLMN ref. to: EN 300 646-1, clause 6.1.1.8
TSSreference:	UMTS-ISDN/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CONF. The PLMN user A and PLMN user C are in network N2. Ensure that user A calls user B. User B can establish a conference from the Active call state to user C.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After the call establishment [in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added. The network shall respond to user B with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	

UII___xxSNCONF01	**ISDN ref. to:** EN 300 185-1, clause 9.2.2, annex A, figure A.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.8
TSSreference:	UMTS-ISDN/Supplementary_services/CONF	
ISDN selection criteria:	CONF	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with CONF. The PLMN user A . The ISDN user C are in network N2 or N1. Ensure that user A calls user B. User B can establish a conference from the Active call state to user C.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After the call establishment [in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a **BeginCONF** invoke component indicating the call reference of the call to be added. The network shall respond to user B with a FACILITY message including a Facility IE witch shall contain a BeginCONF return result component in a Facility IE.	

UIU__xxSN3PTY01	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	UMTS-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY. The PLMN user A and PLMN user C are in the network N1. Ensure that user A calls user B. User B can establish a three-way conversation call with user C. User B release the Active-Idle connection. After the completion of the Retrieve function, the call clearing procedure is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection. User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection. When user B sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established. On receipt of a DISCONNECT message from the user B relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user A the notification "Remote hold". User B sends a RETRIEVE message for CRx. User B shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection. The call clearing procedure is performed from user A.	

UIU__xxSN3PTY02	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	UMTS-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY. The PLMN user A and PLMN user C are in the network N1. Ensure that user A calls user B. User B can establish a three-way conversation call with user C. User B release the Active-Idle connection. After the completion of the Retrieve function, the call clearing procedure is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection. User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection. When user B sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established. On receipt of a DISCONNECT message from the user B relating to the Active-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection. The call clearing procedure is performed from user C.	

UII__xxSN3PTY01	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	UMTS-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY. The PLMN user A is in the network N1. The ISDN user C is in network N1 or N2. Ensure that user A calls user B. User B can establish a three-way conversation call with user C. User B release the Active-Idle connection. After the completion of the Retrieve function, the call clearing procedure is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UII__xxSN3PTY02	**ISDN ref. to:** EN 300 188-1, clause 9.2	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.14
TSSreference:	UMTS-ISDN/Supplementary_services/3PTY	
ISDN selection criteria:	3PTY	
PLMN selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with 3PTY. The PLMN user A and PLMN The ISDN user C are in the network N1 or N2. Ensure that user A calls user B. User B can establish a three-way conversation call with user C. User B release the Active-Idle connection. After the completion of the Retrieve function, the call clearing procedure is performed from user B.	
ISDN Parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After initiating of call hold from the user B, the call A-B has an Active-Held connection. User B is calling user C (with the CRy). The call (B-C) has an Active-Idle connection. When user B sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. The three-way bridge is established. On receipt of a DISCONNECT message from the user B relating to the Active-Held connection (CRx) the network shall clear the call to user A with a DISCONNECT message. After the release of the three-way bridge the call B-C has an Active-Idle connection. The call clearing procedure is performed from user C.	

7.3 Test purposes for PSTN to UMTS

7.3.1 Test purposes for PSTN to UMTS, Basic call

7.3.1.1 Successful

Successful
PSTN

PU___AU__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008 ETS 300 604, clause 9.2.2 a, clause 10.2.2
TSSreference:	PSTN-UMTS/Basic_call/Successful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that call is delivered to the called PLMN user correctly. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PU___AU__02	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.2 ETS 300 604, clause 9.2.2 b
TSSreference:	PSTN-UMTS/Basic_call/Successful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that call is delivered to the called PLMN user correctly (single-numbering scheme). Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PU___AU__03	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.2 ETS 300 604, clause 9.2.2 a, clause 10.2.2
TSSreference:	PSTN-UMTS/Basic_call/Successful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the call after answering. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PU___AU__04	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008 ETS 300 604, clause 9.2.2 a, clause 10.2.2
TSSreference:	PSTN-UMTS/Basic_call/Successful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the **called PLMN** user clears the call after answering. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PU___AU__05	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	PSTN-UMTS/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that a Facsimile G3 call is performed correctly when the **called PLMN** user clears the call after answering. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly. The calling user shall receive in the disconnect indication state (N12) the in-band tone/announcement.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

PU___AU__06	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	PSTN-UMTS/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that a Facsimile G3 call is performed correctly (single-numbering scheme) when the **calling** user clears the call after answering.. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PU___HA__01	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.2 TS 129 007, clause 10.2.2 TS 127 001, clause B.1.2
TSSreference:	PSTN-UMTS/Basic_call/Successful/3,1 kHz audio	
PSTN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	Audio, Multi-numbering Scheme	
Test purpose:	Ensure that the PSTN data call is correctly delivered to the GSM. In the active call state (N10) ensure that the data transfer with the channel rate set to: CHANNEL RATE on the traffic channels is performed correctly.	
PSTN parameter values:	CHANNEL_RATE	
PLMN parameter values:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem synchronous/asynchronous mode: MODE fix network user rate: G_USER_RATE	
Comments:		

Values for test purposes PU___HA__01	
VA_01	MODE: synchronous CHANNEL_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
VA_02	MODE: synchronous CHANNEL_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s
VA_03	MODE: synchronous CHANNEL_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
VA_04	MODE: synchronous CHANNEL_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s
VA_05	MODE: synchronous CHANNEL_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s
VA_06	MODE: synchronous CHANNEL_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent
VA_07	MODE: asynchronous CHANNEL_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s
VA_08	MODE: asynchronous CHANNEL_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s
VA_09	MODE: asynchronous CHANNEL_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s
VA_10	MODE: asynchronous CHANNEL_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s
VA_11	MODE: asynchronous CHANNEL_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s

7.3.1.2 Unsuccessful

PSTN
UNSUCCESSFUL

PU___AU_U01	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is busy (UDUB), the calling user receives a busy tone.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

PU___AU_U02	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:		
Test purpose:	Ensure that when the called PLMN user is busy (NDUB), the calling user receives a busy tone.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PU___AU_U03	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 129 002, clause 18.2, clause 18.3.2 TS 124 008, annex H.1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:		
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #20 "Subscriber absent". The calling user receives a announcement that the called number cannot be reached.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PU___AU_U04	**PSTN ref. To:** EN 300 001	**PLMN ref. to: ref. to:** TS 124 008
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:		
Test purpose:	Ensure that when calling to unallocated PLMN number, the calling user receives in-band information that the called number is unallocated	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PU___AU_U05	**PSTN ref. To:** EN 300 001	**PLMN ref. to :** TS 124 008
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user, the call is cleared. The called user is cleared with cause value #16 "normal call clearing".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PU___AU_U06	**PSTN ref. To:** EN 300 001	**PLMN ref. to :**
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is alerted by not answering before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause #102 "recovery on timer expire" or cause #31 "normal, unspecified" .	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

PU___AU_U07	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that when the called PLMN user (single-numbering scheme) is busy (UDUB), the calling user receives a free tone followed by a busy tone.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element. After receiving the SETUP message, the MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

PU___AU_U08	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that when the calling user clears before answer from the called PLMN user (single-numbering scheme), the call is cleared. The called user is cleared with cause value #16 "normal call clearing".	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PU___AU_U09	**PSTN ref. To:** EN 300 001	**PLMN ref. to:. to:**
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	PSTN, Single-numbering Scheme	
Test purpose:	Ensure that when the called PLMN user is alerted (single-numbering scheme) but not answers before timer Q.118 expires, the calling user receives a free tone followed by a network congestion tone and the network initiate call clearing to the called user with Cause #102 "recovery on timer expire" or cause #31 "normal, unspecified" .	
PSTN parameter values:		
PLMN parameter values:		
Comments:	The call set-up to the mobile will not contain a GSM BC element.	

PU___AU_U10	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H 1.7
TSSreference:	PSTN-UMTS/Basic_call/Unsuccessful	
PSTN selection criteria:	Call establishment to a PLMN user	
PLMN selection criteria:	Multi-numbering Scheme, TS 11	
Test purpose:	Ensure that when the called PLMN user is busy (UDUB) after being alerted, the calling user receives a free tone followed by a busy tone	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

7.3.2 Test purposes for PSTN to UMTS, Supplementary_services

Supplementary_services

PSTN

PU___AUSSCLIP01	**PSTN ref. To:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 10.5.4.9 TS 124 081,
TSSreference:	PSTN-UMTS/Supplementary_services/CLIP/TCPU___AUSS01	
PSTN selection criteria:	Call to a PLMN user	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter values:		
PLMN parameter values:	Calling party number: PI=PA, SI=NP, TON= national/international number NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

PU___AUSSCLIR01	**PSTN ref. to:** ETS 300 649	**PLMN ref. to:** TS 124 008, clause 10.5.4.9, clause 10.5.4.10 TS 124 081, clause 1 TS 123 081, clause 1
TSSreference:	PSTN-UMTS/Supplementary_services/CLIR/TC510201	
PSTN selection criteria:	CLIR	
PLMN selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that the Calling party number information element is delivered to the called user without any digit information.	
PSTN parameter values:		
PLMN parameter values:	Calling party number: PI=PR, SI=NP, TON=unknown, NPI=unknown	
Comments:		

PU___AUSSCUG01	**ISDN ref. to:** EN 300 138-1, clause 9.2.3	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	PSTN-UMTS/Supplementary_services/CUG	
PSTN selection criteria:	CUG	
PLMN selection criteria:	CUG with incoming access "not allowed" .	
Test purpose:	Ensure that when the called user belongs to a CUG with incoming access "not allowed" and the calling user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not member of CUG".	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PUP___AUSSCFU01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1
TSSreference:	PSTN-UMTS/Supplementary_services/CFU	
PSTN selection criteria:	Call to a forwarding subscriber (CFU)	
PLMN selection criteria:	CFU	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFU. Ensure that when user A calls user B, the call is forwarded to user C. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFUactive	
Comments:		

PUP__AUSSCFB01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	PSTN-UMTS/Supplementary_services/CFB	
PSTN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	CFB-UDUB	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-UDUB. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFB-UDUB active	
Comments:		

PUP__AUSSCFB02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	PSTN-UMTS/Supplementary_services/CFB	
PSTN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	CFB-NDUB. Notification to forwarding subscriber =Yes	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the notification to forwarding subscriber is set to yes. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFB-NDUB active	
Comments:		

PU__AUSSCFB03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2
TSSreference:	PSTN-UMTS/Supplementary_services/CFB	
PSTN selection criteria:	Call to a forwarding subscriber (CFB)	
PLMN selection criteria:	CFB-NDUB. Notification to forwarding subscriber =No	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFB-NDUB whereby the notification to forwarding subscriber is set to no. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFB-NDUB active	
Comments:		

PUP__AUSSCFNRy01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	PSTN-UMTS/Supplementary_services	
PSTN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	CFNRy. Notification to forwarding subscriber =Yes	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to yes. Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFNRy active	
Comments:		

PUP__AUSSCFNRy02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3
TSSreference:	PSTN-UMTS/Supplementary_services	
PSTN selection criteria:	Call to a forwarding subscriber (CFNRy)	
PLMN selection criteria:	CFNRy. Notification to forwarding subscriber = No	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRy whereby the notification to forwarding subscriber is set to no. Ensure that if user A calls user B, who does not answered, the call is forwarded to user C. User B is not notified of call diversion. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFNRy active	
Comments:		

PUP__AUSSCFNRc01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 082, clause 4 TS 123 082, clause 4
TSSreference:	PSTN-UMTS/Supplementary_services	
PSTN selection criteria:	Call to a forwarding subscriber (CFNRc)	
PLMN selection criteria:	CFNRc	
Test purpose:	The PSTN user A and the PSTN user C are in network N1. The PLMN user B is in network N2 and is provided with CFNRc. Ensure that when user A calls user B, if detached, the call is forwarded to user C. Ensure that in the call delivered state the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state the voice/data transfer is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	CFNRc active	
Comments:		

NON-SYMMETRICAL TESTS

PU___AUSNCBS01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 548
TSSreference:	PSTN-UMTS/Supplementary_services/Call barring service/TC520101	
PSTN selection criteria:		
PLMN selection criteria:	The Network B supports BAIC.	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible and the network initiate call clearing to the calling user.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

PU___AUSNCBS02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 100 548
TSSreference:	PSTN-UMTS/Supplementary_services/Call barring service	
PSTN selection criteria:		
PLMN selection criteria:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible and the network initiate call clearing to the calling user.	
PSTN parameter values:		
PLMN parameter values:		
Comments:	NOTE: The cause value with witch the call shall be rejected is not defined.	

PUG__AUSNMPTY01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. User B is terminating the entire multi party call.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PUG__AUSNMPTY02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user B and C. The user A is clearing the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PUG__AUSNMPTY03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2.User A is calling user B. Ensure that the user B can establish a MPTY call to user A and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

PUG__AUSNMPTY04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	PSTN-UMTS/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN user A is in network N1. The PLMN user B and PLMN user C are in network N2. User A is calling user B. Ensure that the user B can establish a MPTY call to user A and C. Afterwards the user B separates the remote user A from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B invokes the MPTY service and join the single active call and the held MPTY together. User B is terminating the entire multi party call.	
PSTN parameter values:		
PLMN parameter values:		
Comments:		

7.4 Test purposes for UMTS-PSTN

7.4.1 Test purposes for UMTS-PSTN, Basic call

7.4.1.1 Successful

Successful
Speech

UP___SP__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1.4.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "in-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

UP___SP__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=G_BC_ID and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

UP___SP__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=G_BC_ID and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

UP___SP__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that the reanswer procedure is performed correctly when the called user clears and reanswers. The SETUP message contains the GSM-BC=G_BC_ID and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:		

UP___SP__05	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 Ñin-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech, HLC=telephony	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

Successful

3,1 kHz audio ex PLMN

UP___AU__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1.4.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 Ñin-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

UP___AU__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:		

UP___AU__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, no LLC	
Comments:		

UP___AU__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/3,1 kHz audio ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that call establishment can be done with LLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "in-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, LLC=3,1 kHz audio, voice band data via modem	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

Successful

HSCSD ñ 3,1 kHz

UP___HA__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-PSTN/Basic_call/Successful/HSCSD ñ 3,1 kHz	
PSTN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the PLMN call with the GSM-BC parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is performed correctly to the PSTN user. In the active call state ensure that the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:	BC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
Comments:		

UI___HA__02	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-ISDN/Basic call/Successful/HSCSD ñ 3,1 kHz	
ISDN selection criteria:	Bearer service 3,1 kHz audio	
PLMN selection criteria:	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the PLMN call with the GSM-BC parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is performed correctly to the PSTN user. In the active call state ensure that the data transfer on the traffic channels is performed correctly.	
ISDN parameter values:	BC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UP___HA__01 and UP___HA__02	
VA_01	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_03	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s No_TCH: 4 AIU_RATE: 57.6 kbit/s TCH_FX_X: 14.4
VA_06	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_07	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_08	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_09	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_10	MODE: asynchronous USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_11	MODE: asynchronous USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4

Successful

Facsimile group 3

UP___FX__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.5.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

UP___FX__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UP___FX__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

UP___AF__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1
TSSreference:	UMTS-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC= facsimile G3, no HLC	
Comments:		

UP___AF__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC= facsimile G3,	
Comments:		

UP___AF__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2, clause 5.5.1, TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-PSTN/Basic_call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC= facsimile G3,	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

UP___AF__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2, clause 5.5.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10
TSSreference:	UMTS-PSTN/Basic call/Successful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is no end-to-end ISDN", #2 "destination address in non-ISDN" or #8 "In-band information or appropriate pattern now available". Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

Table 1

← Message sent to the MS	**← ACM**
Progress indicator information element	Content
No.1 (Call is not end-to-end ISDN: further progress information may be available	Backward call indicators parameter ISDN user part indicator 0 ISDN user Part not used all the way
No. 2 (Destination address is non ñISDN	Backward call indicators parameter ISDN user part indicator 1 ISDN user Part used all the way ISDN access indicator 0 terminating access non-ISDN
No.8 (In-band information or appropriate pattern now available)	Optional backward call indicator parameter In-band information indicator 1 In-band info.

Successful

Emergency Calls

UP___EC__01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1.4.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the call is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN", #2 "destination address is non-ISDN" or #8 "in-band information or appropriate pattern now available". The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	The progress indicator information elements are created by the originating exchange according to the coding of the address complete message (ACM) in the ISUP. The table 1 shows the sending criteria of each value.	

UP___EC__02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech, no HLC	
Comments:		

UP___EC__03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=SPEECH,	
Comments:		

UP___EC__04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that the reanswer procedure is performed correctly when the called user clears and reanswers. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:		

UP___EC__05	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

UP___EC__06	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS without a SIM Card. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs which do not transmit an IMSI or a TMSI.	

UP___EC__07	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that the clearing procedure is performed correctly when the calling user clears after answer. The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognized by the VLR.	

UP___EC__08	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Successful/Emergency Call	
PSTN selection criteria:	Emergency service;	
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS when the IMSI contained in the SIM Card is not recognized by the VLR. Ensure that the clearing procedure is performed correctly when the called user clears after answer. The SETUP message contains the GSM-BC=speech, and a can contain a HLC=telephony. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PSTN parameter values:		
PLMN parameter values:	EMERGENCY SETUP; GSM-BC=speech	
Comments:	It is an option of the network operator whether to accept emergency calls coming from MSs when the IMSI contained in the SIM Card is not recognized by the VLR.	

7.4.1.2 Unsuccessful

UNSUCCESSFUL

Speech

UP___SP_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	

UP___SP_U02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony. NOTE: Some PSTNs provide announcements instead of sending cause value #1.	

UP___SP_U03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	

UP___SP_U04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful	
PSTN selection criteria:		
PLMN selection criteria:	TS 11	
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value cause value #19 "no answer from user (user alerted)".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech	
Comments:	The SETUP message contains the GSM-BC=speech, and can contain a HLC=telephony.	

UNSUCCESSFUL

3,1 kHz ex PLMN

UP___AU_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when calling to a unallocated PSTN number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:	NOTE: Some PSTNs provide announcements instead of sending cause value #1.	

UP___AU_U02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

UP___AU_U03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

UP___AU_U04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/3,1 kHz ex PLMN	
PSTN selection criteria:		
PLMN selection criteria:	Audio	
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value cause value #19 "no answer from user (user alerted)".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=3,1 kHz ex PLMN, voice band data via modem	
Comments:		

UNSUCCESSFUL

UDI

UP___DU_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/UDI	
PSTN selection criteria:		
PLMN selection criteria:	UDI	
Test purpose:	Ensure that when the calling user requests digital connectivity for a call to a PSTN user, the network initiate call clearing to the calling user with cause value #63 "service or option not available, #65 "bearer service not implemented" or #88 "incompatible destination".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

Unsuccessful

Facsimile group 3

UP___FX_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC= facsimile G3	
Comments:	NOTE: Some PSTNs provide announcements instead of sending cause value #1.	

UP___FX_U02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

UP___FX_U03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.8
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #19 "no answer from user (user alerted)".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

UP___FX_U04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 62	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC = facsimile G3	
Comments:		

Unsuccessful

Alternate speech and facsimile group 3

UP___AF_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.1
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC = Facsimile G3	
Comments:	NOTE: some PSTNs provide announcements instead of sending cause value #1.	

UP___AF_U02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.6
TSSreference:	PSTN-PLMN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC = Facsimile G3	
Comments:		

UP___AF_U03	**PSTN ISDN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #19 "no answer from user (user alerted)".	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC = Facsimile G3	
Comments:		

UP___AF_U04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, annex H.1.5
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PSTN selection criteria:		
PLMN selection criteria:	TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PSTN parameter values:		
PLMN parameter values:	first GSM-BC=speech, second GSM-BC = Facsimile G3	
Comments:		

UNSUCCESSFUL

Emergency Calls

UP___EC_U01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4, clause 7.3.2
TSSreference:	UMTS-PSTN/Basic_call/Unsuccessful/Emergency Call	
PSTN selection criteria:		
PLMN selection criteria:	TS 12	
Test purpose:	Emergency call from MS with a valid SIM Card. Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=speech,	
Comments:		

7.4.2 Test purposes for UMTS-PSTN, Supplementary Services

Supplementary Services

UP___xxSSCLIP01	**PSTN ref. to:** EN 300 001 ETS 300 648 EN 300 659	**PLMN ref. to:** TS 124 008, clause 9.3.23.2, TS 123 081, clause 1 TS 124 081, clause 1
TSSreference:	UMTS-PSTN/Supplementary_services/CLIP	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:		
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number is correctly delivered to the called (served) user.	
PSTN parameter values:	Calling Line Identity parameter	
PLMN parameter values:	GSM-BC= G_BC_ID, Calling party subaddress	
Comments:		

UP___xxSSCLIP02	**PSTN ref. to:** EN 300 001 ETS 300 648 EN 300 659	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 1, TS 124 081, clause 1
TSSreference:	UMTS-PSTN/Supplementary_services/CLIP	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:		
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PSTN parameter values:	Calling Line Identity parameter	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSSCLIR01	**PSTN ref. to:** EN 300 001 ETS 300 648 EN 300 659-1	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2
TSSreference:	UMTS-PSTN/Supplementary_services/CLIR	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when the Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID Calling party subaddress	
Comments:		

UP___xxSSCLIR02	**PSTN ref. to:** EN 300 001 ETS 300 648 EN 300 659-1	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2
TSSreference:	UMTS-PSTN/Supplementary_services/CLIR	
PSTN selection criteria:	The called user is provided with CLIP	
PLMN selection criteria:	CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number is not delivered to the called user.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCOLR01	**PSTN ref. to:** EN 300 001 ETS 300 648 EN 300 659-1	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3
TSSreference:	UMTS-PSTN/Supplementary_services/COLR	
PSTN selection criteria:	COLR	
PLMN selection criteria:	The calling user is provided with COLP	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. The Connected number information element is network provided and delivered to the calling user without any digit information. If the PSTN does not support this service, the presentation indicator shall indicate "number not available due to interworking".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown.	
Comments:		

UP___xxSSCUG01	**PSTN ref. to:** EN 300 001 ETS 300 648 EN 300 659-1	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-PSTN/Supplementary_services/CUG	
PSTN selection criteria:	The called user is not member of CUG.	
PLMN selection criteria:	The calling user belongs to a CUG with outgoing access "allowed".	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed and the called user is not a CUG subscriber, the call establishment is possible.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID CUG default request	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCUG02	**PSTN ref. to:**	**PLMN ref. to:** TS 123 085 TS 124 085
TSSreference:	UMTS-PSTN/Supplementary_services/CUG	
PSTN selection criteria:	The called user is not member of CUG.	
PLMN selection criteria:	The calling user belong to a CUG with outgoing access "not allowed".	
Test purpose:	Ensure that when the calling user belong to CUG with outgoing access "not allowed" and the called user is not member of CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID CUG default request	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCFU01	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 123 085 clause 1 TS 124 085 clause 1
TSSreference:	UMTS-PSTN/Supplementary_services/CFU	
PSTN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user "= Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C are Notified of call diversion.	
PSTN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCFU02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 123 082 clause 1 TS 124 082 clause 1
TSSreference:	UMTS-PSTN/Supplementary_services/CFU	
PSTN selection criteria:	The user B is in network N2 and is provided with CFU("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFU)	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and user C are Notified of call diversion.	
PSTN parameter values:	CFUactive	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

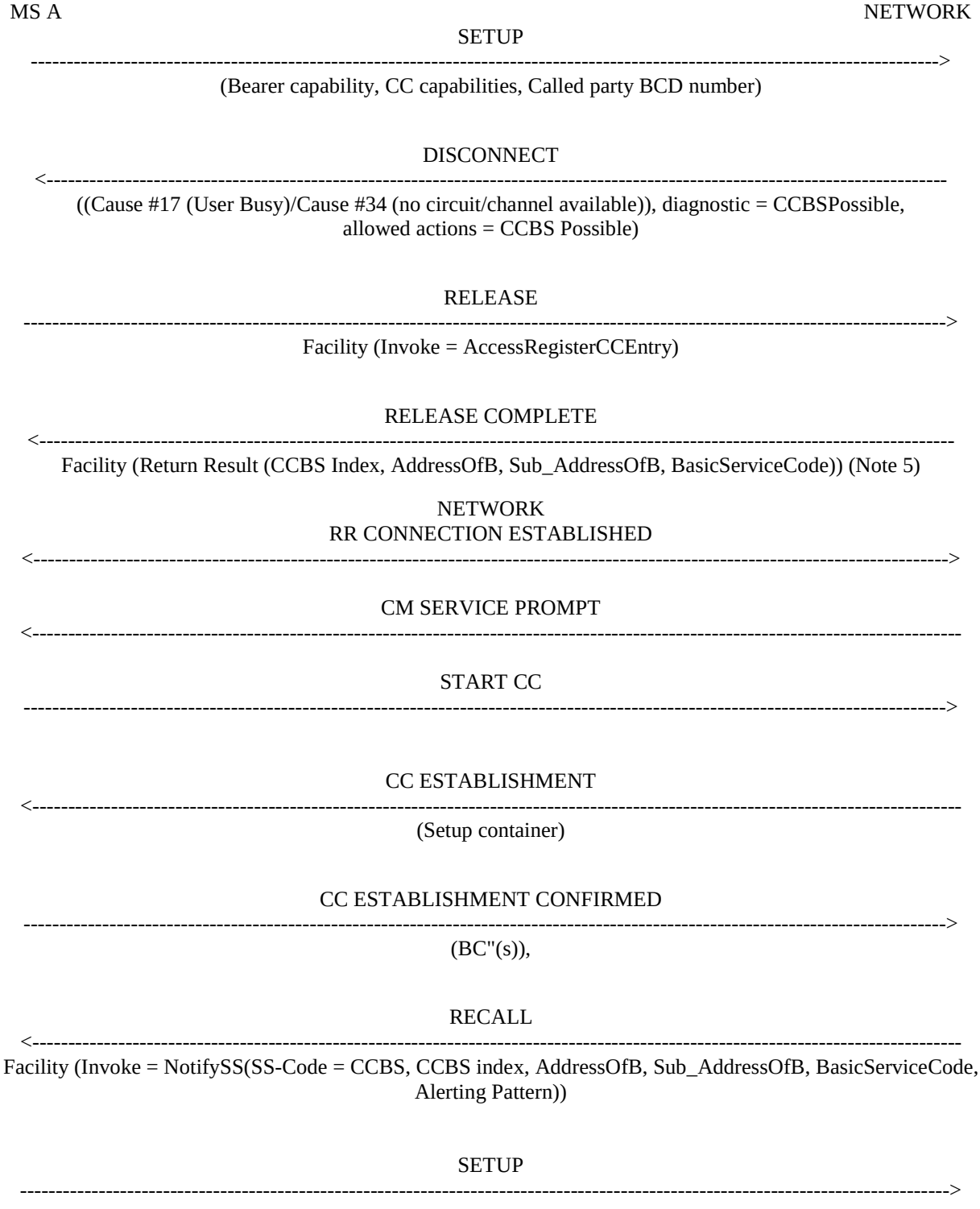
UP___xxSSCFB01	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 123 082 clause 2 TS 124 082 clause 2
TSSreference:	UMTS-PSTN/Supplementary_services/CFB	
PSTN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user "= Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCFB02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 123 082 clause 2 TS 124 082 clause 2
TSSreference:	UMTS-PSTN/Supplementary_services/CFB	
PSTN selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFB)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFB active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCFNR	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 123 082 clause 3 TS 124 082 clause 3
TSSreference:	UMTS-PSTN/Supplementary_services/CFNR	
PSTN selection criteria:	The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user "= Yes).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCFNR02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** TS 123 082 clause 3 TS 124 082 clause 3
TSSreference:	UMTS-PSTN/Supplementary_services/CFNR	
PSTN selection criteria:	The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No).	
PLMN selection criteria:	Call to a forwarding subscriber (CFNR)	
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user A and user C are notified of call diversion.	
PSTN parameter values:	CFNR active	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSSCCBS01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	


MS A
NETWORK
SETUP
(Bearer capability, CC capabilities, Called party BCD number)
DISCONNECT
((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible,
allowed actions = CCBS Possible)
RELEASE
Facility (Invoke = AccessRegisterCCEntry)
RELEASE COMPLETE
Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (Note 5)
NETWORK
RR CONNECTION ESTABLISHED
CM SERVICE PROMPT
START CC
CC ESTABLISHMENT
(Setup container)
CC ESTABLISHMENT CONFIRMED
(BC"(s)),
RECALL
Facility (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode,
Alerting Pattern))
SETUP

UP___xxSSCCBS02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

Values for test purpose GI___xxSSCCBS02	
VA_01	GSM-BC=Speech G_BC_ID_CONT = speech G_BC_ID_CC_E_C = speech G_HLC_ID_CC_E_C= telephony
VA_02	GSM-BC=Speech GSM-HLC= telephony G_BC_ID_CONT = speech G_HLC_ID_CONT= telephony G_BC_ID_CC_E_C = speech G_LLC_ID_CC_E_C = 3,1 kHz audio G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN G_BC_ID_CONT = 3,1 kHz audio ex PLMN G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3 G_BC_ID_CONT = facsimile G3 G_BC_ID_CC_E_C = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3 G_HLC = Facsimile G2/G3 G_BC_ID_CONT = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3 G_BC_ID_CC_E_C = facsimile G3

UP___xxSSCCBS03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent), and when network B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

UP___xxSSCCBS04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) when user B has answered the call (network has responded to the call with a ANM message) The MS A receives an CONNECT message. Normal call handling continues.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

UP___xxSSCCBS05	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and release the existing call.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSSCCBS06	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646, clause 6.1.1.14
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSSCCBS07	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.3
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state). The user can deactivate a specific CCBS request.	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.	

UP___xxSSCCBS08	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.4
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) The user can deactivate outstanding CCBS requests	
ISDN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSSCCBS09	**PSTN ref. to:**	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2
TSSreference:	GSM-PSTN/Supplementary_services/CCBS	
ISDN selection criteria:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
ISDN parameter values:	BC=I_BC_ID	
PLMN parameter values:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

NON-SYMMETRICAL TESTS

UP___xxSNMCID01	**PSTN ref. to:** network operator specific	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-PSTN/Supplementary_services/MCID	
PSTN selection criteria:	The called (served) user is provided with MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSNMCID02	**PSTN ref. to:** network operator specific	**PLMN ref. to:** EN 300 646-1, clause 6.1.1.7
TSSreference:	UMTS-PSTN/Supplementary_services/MCID	
PSTN selection criteria:	The called (served) user is provided with MCID	
PLMN selection criteria:		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state, the call is registered.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.	

UP___xxSNMPTY01	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C. User A is terminating the entire multi party call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

UP___xxSNMPTY02	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

UP___xxSNMPTY03	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

UP___xxSNMPTY04	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UP___xxSNMPTY05	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A is terminates the held multi party, user B is clears the A-B ACTIVE call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UP___xxSNMPTY06	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

UP___xxSNMPTY07	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

UP___xxSNMPTY08	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

UP___xxSNMPTY09	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSNMPTY 10	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User B is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSNMPTY 11	**PSTN ref. to:** EN 300 001	**PLMN ref. to:** TS 122 084 TS 123 084
TSSreference:	UMTS-PSTN/Supplementary_services/MPTY	
PSTN selection criteria:		
PLMN selection criteria:	MPTY	
Test purpose:	The PSTN User B is in network N2. The PLMN user A and PLMN user C are in network N1. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

UP___xxSNCBS01	**PSTN ref. to:**	**PLMN ref. to:** TS 123 088
TSSreference:	UMTS-PSTN/Supplementary_services/Call barring service	
PSTN selection criteria:		
PLMN selection criteria:	Barring of Outgoing international Calls	
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PSTN parameter values:		
PLMN parameter values:	GSM-BC=G_BC_ID	
Comments:		

7.5 Test purposes for GSM-UMTS

7.5.1 Test purposes for GSM-UMTS, Basic call

In the following GSM-UMTS Tests are used two configurations.

At the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.

At the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

7.5.1.1 Successful

Successful

Speech

GU___SP__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

GU___SP__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.1	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

GU___SP__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

GU___SP__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech/	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

Successful

3,1 kHz audio, ex PLMN

GU___AU__01	**PLMN ref. to:** TS 124 008, clause 5.2, clause 5.4 TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

GU___AU__02	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

GU___AU__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria act:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
PLMN parameter values term.:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
Comments:		

GU___AU__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2, B.2.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that the **GSM-BC**=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = 3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC = 3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes GU___AU__03; GU___AU__04;	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

UDI

GU___UD__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30	
Comments:		

GU___UD__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:		

GU___UD__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2, B 2.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that the **GSM-BC**=UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the to the called user. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose GI___DU__03	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

Facsimile group 3

GU___FX__01	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1	
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX__02	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1, B 2.11	
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX__03	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.11	
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.	TS 62	
PLMN selection criteria orign.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX__04	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.11, B.2.11	
TSSreference:	GSM-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

GU___AF__01	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

GU___AF__02	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

GU___AF__03	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3	
Comments:		

GU___AF__04	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___AF__05	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	User A and user B are subscribed to different PLMN's first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

GU___AF__06	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element	

GU___AF__07	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3	
Comments:		

GU___AF__08	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___AF__09	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

GU___AF__10	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element The MODIFY message in not transmitted over the ISUP.	

GU___AF__11	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN).	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:		

GU___AF__12	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

GU___AF__13	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element The MODIFY message in not transmitted over the ISUP.	

GU___AF__14	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:		

GU___AF__15	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= GSM-BC= facsimile G3, no HLC second speech	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

GU___AF__16	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = facsimile G3, no HLC second GSM-BC=speech	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

GU___AF__017	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = facsimile G3, no HLC second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC = facsimile G3 second GSM-BC=speech	
Comments:		

GU___AF__18	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 annex B 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC= Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = Facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

GU___AF__19	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 annex B 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

GU___AF__20	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech	
Comments:		

Successful

Alternate Speech/Data

GU___AD__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

GU___AD__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element	

GU___AD__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR	

GU___AD__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element	

GU___AD__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

GU___AD__06	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that the repeated GSM BC-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element The MODIFY message in not transmitted over the ISUP.	

GU___AD__07	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data	
PLMN selection criteria:	BS 61	
PLMN selection criteria:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC"3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

Values for test purposes GU___AD__05 to GU___AD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

GU___AD__08	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

GU___AD__09	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	GSM-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that the repeated GSM BC-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element The MODIFY message in not transmitted over the ISUP.	

GU___AD__10	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	GSM-UMTS/Basic call/Successful/Alternate speech and data	
PLMN selection criteria term.:	BS 61	
PLMN selection criteria term.:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	First GSM-BC=speech Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes GU___AD__08 to GU___AD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

Speech followed by data

GU___FD__01	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

GU___FD__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

GU___FD__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

GU___FD__04	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

GU___FD__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B.1.7, B.2.7.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

GU___FD__06	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B.1.7, B.2.7.2	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:		
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.	

GU___FD__07	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.2	
TSSreference:	GSM-UMTS/Basic call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values act:	First GSM-BC=speech Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	First GSM-BC=speech Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

Values for test purposes GU___FD__05 to GU___FD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

GU___FD__08	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	First GSM-BC=speech Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	First GSM-BC=speech Second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE1 LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

GU___FD__09	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element The MODIFY message in not transmitted over the ISUP.	

GU___FD__10	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	GSM-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes GU___FD__08 to GU___FD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

HSCSD ñ 3,1 kHz

GU___HA__01	**ISDN ref. to:** EN 300 403-1	**PLMN ref. To:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	GSM-UMTS/Basic_call/Successful/HSCSD ñ 3,1 kHz	
PLMN selection criteria orign.:	HSCSD, 3,1 kHz	
PLMN selection criteria term.	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = 3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
PLMN parameter values term.:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE	
Comments:		

GU___HA__02	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	GSM-UMTS/Basic call/Successful/HSCSD ñ 3,1 kHz	
PLMN selection criteria orign.:	HSCSD, 3,1 kHz	
PLMN selection criteria term.	HSCSD, 3,1 kHz	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose GU___HA__01 and GU___HA__02	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 2 AIU_RATE: 9.6 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s No_TCH: 4 AIU_RATE: 57.6 kbit/s TCH_FX_X: 14.4
VA_07	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_08	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_09	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_10	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Values for test purpose GU___HA__01 and GU___HA__02	
VA_12	MODE: asynchronous USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4

Successful

HSCSD ñ data

GU___HU__01	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	GSM-UMTS/Basic_call/Successful/HSCSD ñ UDI	
PLMN selection criteria orign.:	HSCSD, UDI	
PLMN selection criteria term.	HSCSD, UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30 Synchronous/asynchronous mode: MODE Fix network user rate: FNU_RATE Maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
PLMN parameter values term.:	GSM-BC= information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE	
Comments:		

GU___HU__02	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	GSM-ISDN/Basic call/Successful/HSCSD ñ UDI	
PLMN selection criteria orign.:	HSCSD, UDI	
PLMN selection criteria term.	HSCSD, UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. In the active call state ensure that the data transfer on the traffic channels are performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC= information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE LLC= information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
Comments:		

Values for test purpose GU___HU__01 and GU___HU__02	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 2 AIU_RATE: 9.6 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s No_TCH: 4 AIU_RATE: 57.6 kbit/s TCH_FX_X: 14.4
VA_07	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_08	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_09	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_10	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 34.4 kbit/s FNU_RATE: 34.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Values for test purpose GU___HU__01 and GU___HU__02	
VA_12	MODE: asynchronous USER_RATE: 48.0 kbit/s FNU_RATE: 48.0 kbit/s No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4

7.5.1.2 Unsuccessful

Unsuccessful

Speech

GU___SP_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number" .	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GU___SP_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

GU___SP_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

GU___SP_U04	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GU___SP_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

GU___SP_U06	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

GU___SP_U07	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

GU___SP_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

GU___SP_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

3,1 kHz audio ex PLMN

GU___AU_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GU___AU_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy". The network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

GU___AU_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:		

GU___AU_U04	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GU___AU_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

GU___AU_U06	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected". The network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

U___AU_U07	**PLMN ref. to:** TS 124 008, annex B.3.2, H 5.3	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

GU___AU_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

GU___AU_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

UDI

GU___UD_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

GU___UD_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

GU___UD_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

GU___UD_U04	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

GU___UD_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria act:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified" .	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GU___UD_U06	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GU___UD_U07	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GU___UD_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

GU___UD_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)	

Unsuccessful

Facsimile group 3

GU___FX_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GU___FX_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

GU___FX_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:		
Comments:		

GU___FX_U04	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18	

GU___FX_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" .	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX_U06	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile group 3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX_U07	**PLMN ref. to:** TS 124 008, annex H. 5.3	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

GU___FX_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

Alternate speech and facsimile group 3

GU___AF_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

GU___AF_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

GU___AF_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GU___AF_U04	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:		

GU___AF_U05	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

GU___AF_U06	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

GU___AF_U07	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values orign.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GU___AF_U08	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

GU___AF_U09	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GU___AF_U10	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

GU___AF_U11	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GU___AF_U12	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

GU___AF_U13	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

GU___AF_U14	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)	

GU___AF_U15	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	GSM-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)	

7.5.2 Test purposes for GSM-UMTS Supplementary services

Supplementary Services

GU___xxSSCLIP01	**PLMN ref. to:** TS 124 008, clause 9.3.23.2, TS 123 081 TS 124 081, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CLIP	
PLMN selection criteria orign.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
PLMN parameter values term.:	GSM-BC=I_BC_ID, Calling party subaddress	
PLMN parameter values orign.:	GSM-BC= G_BC_ID Calling party number: PI=PA, TON= national/international number, SI=NP, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

GU___xxSSCLIP02	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081 TS 124 081, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CLIP	
PLMN selection criteria orign.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID, Calling party number: PI=PA SI=NP TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

GU___xxSSCLIR01	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CLIR	
PLMN selection criteria orign.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID, Calling party subaddress	
PLMN parameter values term.:	GSM-BC= G_BC_ID Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

GU___xxSSCLIR02	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CLIR	
PLMN selection criteria orign.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

GU___xxSSCOLP01	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/COLP	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; Connected number PI=PA, SI=NP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163) Connected subaddress	
PLMN parameter values term.:	Connected subaddress	
Comments:		

GU___xxSSCOLP02	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/COLP/GU___xxSSCOLP02	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID, Connected number: SI=NP TON= national/international number, PI=PA, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter values term.:	GSM-BC= G_BC_ID,	
Comments:		

GU___xxSSCOLR01	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/COLR/GU___xxSSCOLR01	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID, Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG01	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC = G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG02	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG03	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG04	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG05	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG06	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG07	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG08	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG Index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG09	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG10	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG11	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG12	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG13	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG14	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG15	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG16	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG17	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCUG18	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user is not member of CUG	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG19	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user is not member of CUG, the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG20	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user is not member of CUG	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG21	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user is not member of CUG	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG22	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG23	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG24	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB;**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

GU___xxSSCUG25	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG26	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSCUG27	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

GU___xxSSSUB01	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5	
TSSreference:	GSM-UMTS/Supplementary_services/SUB	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSSSUB02	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5	
TSSreference:	GSM-UMTS/Supplementary_services/SUB	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information	
PLMN parameter values term.:	GSM-BC= G_BC_ID, Called party subaddress	
PLMN parameter values orign.:	GSM-BC= G_BC_ID, Called party subaddress	
Comments:		

GU___xxSSCFU01	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CFU	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFU02	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CFU/GU___xxSSCFU02	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFB01	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User **B** is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFB02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFNRy01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion. User **B** is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFNRy02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRy	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFNRc01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFNRc02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**).	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC=G_BC_ID	
Comments:		

GU___xxSSHOLD01	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSHOLD02	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSHOLD03	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non ñserved user during the held state.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSHOLD04	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSHOLD05	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSHOLD06	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñ served user during the held state.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSCW01	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CW	
PLMN selection criteria orign.:	CW	
PLMN selection criteria term.:	The called user is provided with CW	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSCW02	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CW	
PLMN selection criteria orign.:	CW	
PLMN selection criteria term.:	The called user is provided with CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1i01	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1i02	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
PLMN parameter values orign.:	BC= GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

GU___xxSSUUS1i03	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

GU___xxSSUUS1i04	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC= G_BC_ID, UI length = 32	
Comments:		

GU___xxSSUUS1i05	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

GU___xxSSUUS1i06	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1i	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	The requested UUS is not supported in Network B. Verify that UUI can be discarded by the network without disrupting normal call handling	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:	.	

GU___xxSSUUS1e01		
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1 e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**UUS not required**" The network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e02	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e03	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "UUS not required", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e04	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating ÑUUS required", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e05	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating Ñ**UUS required**", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e06	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1,	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating ÑUUS required", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e07	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1, 5.1.1, annex A	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS1e08	**PLMN ref. to:** TS 124 087 TS 123 087 ITU-T Recommendation Q.699	
TSSreference:	GSM-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS201	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS 2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS202	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does not receive an explicit service 2 acceptance or rejection in the ALERTING message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS203	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS204	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS 2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS required", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS205	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating ÑUUS required", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS206	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "UUS not required", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS301	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS302	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:	Ensure that after the calling user request UUS3 during call establishment indicating "UUS not required", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
Test purpose:		
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS303	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating ÑUUS required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS304	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating ÑUUS required", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS305	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 during the active call state indicating "UUS not required", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSUUS306	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	GSM-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "UUS not required", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GUG___xxSSECT01	**PLMN ref. to:** TS 124 008	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Active call state** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GUG___xxSSECT02	**PLMN ref. to:** TS 124 008	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call sate** and the call **A-C** is in the **Active call state ñ Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GUG___xxSSECT03	**PLMN ref. to:** TS 124 008	
TSSreference:	GSM-UMTS/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Call Delivered State** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GUG___xxSSECT04	**PLMN ref. to:** TS 124 008	
TSSreference:	GSM-UMTS/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state** and the call **A-C** is in the **Call Delivered State-Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSMPTY01	**PLMN ref. to:** TS 122 084,TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C. User A is terminating the entire multi party call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

GU___xxSSMPTY02	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

GU___xxSSMPTY03	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

GU___xxSSMPTY04	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GU___xxSSMPTY05	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the held multi party C, user B is clears the A-B ACTIVE call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

GU___xxSSMPTY06	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call with C.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

GU___xxSSMPTY07	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

GU___xxSSMPTY08	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

GU___xxSSMPTY09	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ńHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSMPTY10	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

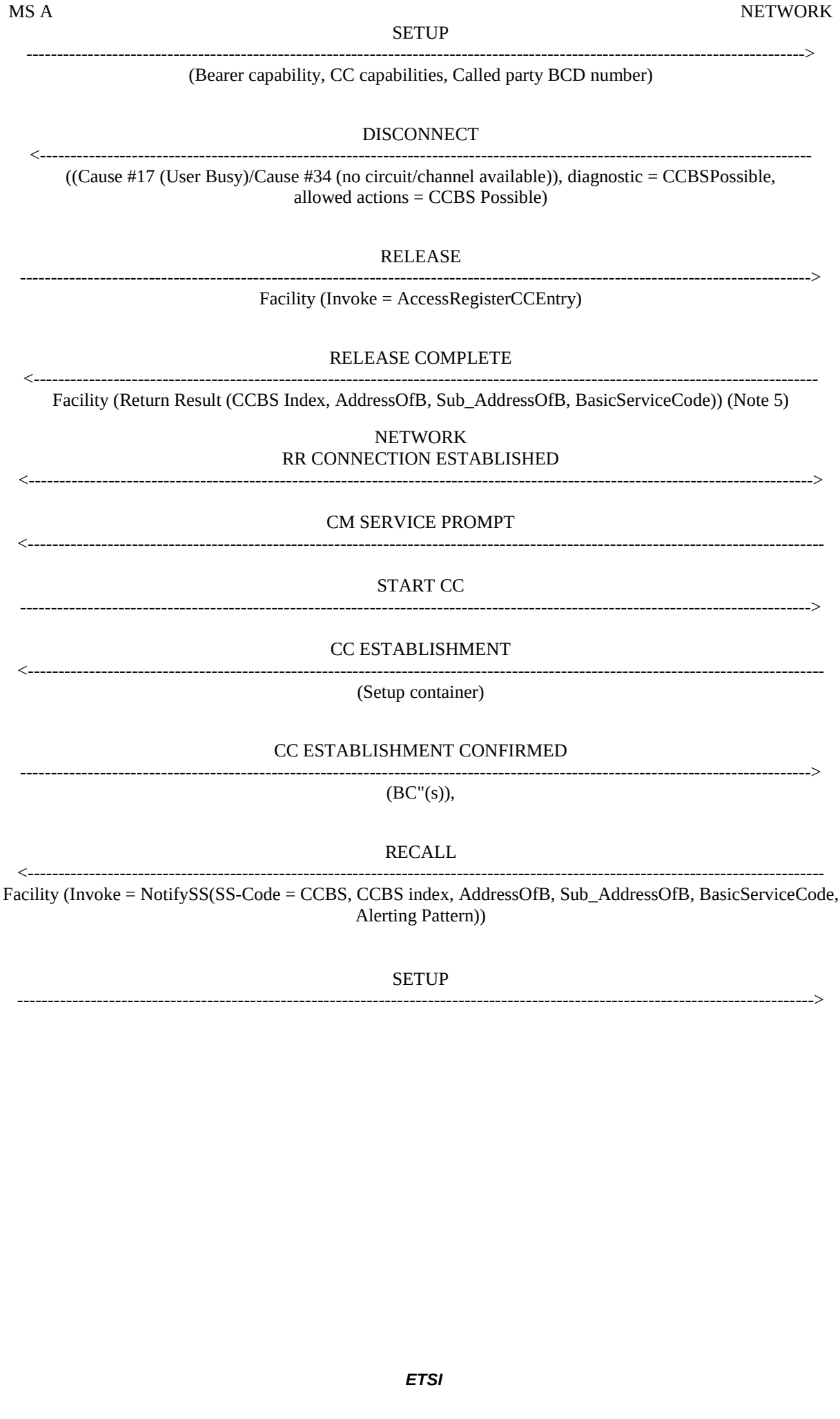
GU___xxSSMPTY11	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	GSM-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCBS01	**PLMN ref. to:** TS 123 088	
TSSreference:	GSM-UMTS/Supplementary_services/Call barring service	
PLMN selection criteria orign.:	The calling user activates Barring of Outgoing international	
PLMN selection criteria term.:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCBS02	**PLMN ref. to:** TS 123 088	
TSSreference:	GSM-UMTS/Supplementary_services/Call barring service	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSSCBS03	**PLMN ref. to:** TS 123 088	
TSSreference:	GSM-UMTS/Supplementary_services/Call barring service	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country. Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSSCCBS01	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093	
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	


MS A
NETWORK
SETUP
(Bearer capability, CC capabilities, Called party BCD number)
DISCONNECT
((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible,
allowed actions = CCBS Possible)
RELEASE
Facility (Invoke = AccessRegisterCCEntry)
RELEASE COMPLETE
Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (Note 5)
NETWORK
RR CONNECTION ESTABLISHED
CM SERVICE PROMPT
START CC
CC ESTABLISHMENT
(Setup container)
CC ESTABLISHMENT CONFIRMED
(BC"(s)),
RECALL
Facility (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode,
Alerting Pattern))
SETUP

GU___xxSSCCBS02	**PLMN ref. to:** TS 124 093	**Other ref.:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

Values for test purpose GI___xxSSCCBS02	
VA_01	GSM-BC=Speech G_BC_ID_CONT = speech G_BC_ID_CC_E_C = speech G_HLC_ID_CC_E_C= telephony
VA_02	GSM-BC=Speech GSM-HLC= telephony G_BC_ID_CONT = speech G_HLC_ID_CONT= telephony G_BC_ID_CC_E_C = speech G_LLC_ID_CC_E_C = 3,1 kHz audio G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN G_BC_ID_CONT = 3,1 kHz audio ex PLMN G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3 G_BC_ID_CONT = facsimile G3 G_BC_ID_CC_E_C = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3 G_HLC = Facsimile G2/G3 G_BC_ID_CONT = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3 G_BC_ID_CC_E_C = facsimile G3

GU___xxSSCCBS03	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent) and when user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

GU___xxSSCCBS04	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) and when user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	
PLMN parameter values orign.:	BC=I_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

GU___xxSSCCBS05	**PLMN ref. to:** EN 300 646, clause 6.1.1.14	
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and release the existing call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSCCBS06	**PLMN ref. to:**	Other ref.: EN 300 646-1, **clause** 6.1.1.14
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSSCCBS07	**PLMN ref. to:** TS 124 093, clause 4.3	**Other ref.:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) The user can deactivate a specific CCBS request	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To deactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.	

GU___xxSSCCBS08	**PLMN ref. to:** TS 124 093, clause 4.4	**Other ref.:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) The user can deactivate outstanding CCBS requests	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSSCCBS 09	**PLMN ref. to:** TS 124 093, clause 4.2	**Other ref.:** EN 300 646-1, clause 6.1.1.14
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

GU___xxSSCCBS 10	**PLMN ref. to:** TS 124 093, clause 4.2	Other ref.: EN 300 646-1**, clause 6.1.1.14**
TSSreference:	GSM-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall the MS sends a RELEASE COMPLETE message.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

Interactions

GU___xxSICFU_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CFU	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFU_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	GSM-UMTS/Supplementary_services/CFU/GU xxSSCFU02	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSICFB_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). User C is provided with CLIP	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSICFB_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSICFNRy_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSSCFNRy_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRy	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSICFNRc_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling Party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSICFNRc_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	GSM-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

GU___xxSICUG_CFU 01	**PLMN ref. to:** TS 122 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belongs to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFUand has an active call forwarding to C. User C has the following CUG supplementary options: **not IA, not ICB.**	
Test purpose:	Ensure that a call establishment is successful.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

GU___xxSICUG_CFU 02	**PLMN ref. to:** TS 122 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: not **OA; not ocb; not Pref. CUG.** User B is provided with CFUand has an active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSICUG_CFU 03	**PLMN ref. to:** TS 122 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSICUG_CFU 04	**PLMN ref. to:** TS 122 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFU and has active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

GU___xxSICUG_CFU 05	**PLMN ref. to:** TS 122 085	
TSSreference:	GSM-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belong to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFUand has active call forwarding to C.	
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

GU___xxSICFB_CW0 1	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CFB_CW	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = **Yes**;) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC=G_BC_ID	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC=G_BC_ID	
Comments:		

GU___xxSICFB_CW02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	GSM-UMTS/Supplementary_services/CFB_CW	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= No**) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC= G_BC_ID	
Comments:		

7.5.3 Short message service

7.5.3.1 Short message service point to point on CS mode

GU___PP__CS_01	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are in the Idle state.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:		

GU___PP__CS_02	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triGUer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSSauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, the SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to MS B within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

GU___PP__CS_03	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are involved in an active call (Active State).	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:		

GU___PP__CS_04	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Active State N10 whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triGUer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N10 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

GU___PP__CS_05	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 04) Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N04 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triGUer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N04 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

GU___PP__CS_06	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 10). Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:		

GU___PP__CS_07	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the **Idle state**. The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same or several MM connection.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU___PP__CS_08	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the **Idle state**. The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU___PP__CS_09	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both MSs involved are in the **Active call state**. The test also verifies that MS A is able to correctly send and MS B to receive multiple short messages on the same or several MM connection.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	The call clearing is continued in parallel to the following exchange of messages related to SMS. SMS messages are stored in the USIM and/or the ME. For the mobile originated short message is used the Maximum length (characters)	

GU___PP__CS_10	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both MSs involved are in the **Active call state**. The test also verifies that MS A is able to correctly send and MS B to receive multiple short messages on the same MM connection.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	The call clearing is continued in parallel to the following exchange of messages related to SMS. SMS messages are stored in the USIM and/or the ME. For the mobile originated short message is used the Maximum length (characters).	

GU___PP__CS_11	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, it shall receive the Short Message from the network.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	MS-B is detached when the Short Message is sent.	

GU___PP__CS_12	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.	

7.5.3.2 Short message service point to point on PS mode

GU___PP__PS_01	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service a when both the MSs are in the Idle state. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU___PP__PS_02	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU___PP__PS_03	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU___PP__PS_04	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verifies the ability of sending and receiving of multiple short messages when both the MSs are in the Idle state.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

GU___PP__PS_05	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP context is in progress.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

7.5.3.3 Short message service cell broadcast

GUG____CB__01	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM ñUMTS/Short_message	
PLMN selection criteria orign.:		
PLMN selection criteria term.	SMS-CB	
Test purpose:	Verify that the SMS CB is Transferred to MS A in MM-state "Idle, updated".	
PLMN parameter values orign.:		
PLMN parameter values term.:	GSM-TS= Short Message MT ñ CB	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH. The network has to be cofigurated to send an SMS CB with defined text on a defined channel.	

GUG___CB__02	**PLMN ref. to:** TS 124 011	
TSSreference:	GSMñUMTS/Short_message	
PLMN selection criteria orign.:		
PLMN selection criteria term.	SMS-CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".	
PLMN parameter values orign.:		
PLMN parameter values term.:	GSM-TS= Short Message MT ñ CB	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH. The network has to be cofigurated to send an SMS CB with defined text on a defined channel.	

7.6 Test purposes for UMTS-GSM

7.6.1 Test purposes for UMTS-GSM, Basic call

In the following UMTS-GSM Tests are used two configurations.

- At the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.
- At the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

7.6.1.1 Successful

Successful
Speech

UG___SP__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

UG___SP__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.1	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, no HLC	
PLMN parameter values term.:	GSM-BC=speech, no HLC	
Comments:		

UG___SP__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

UG___SP__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech/	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=speech, HLC=telephony	
PLMN parameter values term.:	GSM-BC=speech, HLC=telephony	
Comments:		

Successful

3,1 kHz audio, ex PLMN

UG___AU__01	**PLMN ref. to:** TS 124 008, clause 5.2, clause 5.4 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

UG___AU__02	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:		

UG___AU__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria act:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
Comments:		

UG___AU__04	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2, B.2.2	
TSSreference:	UMTS-GSM/Basic call/Successful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that the **GSM-BC**=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped and the LLC=3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes UG___AU__03; UG___AU__04;	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

UG___AU__05	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-GSM/Basic_call/Successful	
PLMN selection criteria orign.:	3,1 kHz	
PLMN selection criteria term.	3,1 kHz	
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
PLMN parameter values term.:	GSM-BC = 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE Fix network user rate: FNU_RATE	
Comments:		

UG___AU__06	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	UMTS-GSM/Basic call/Successful	
PLMN selection criteria orign.:	3,1 kHz	
PLMN selection criteria term.	3,1 kHz	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE Fix network user rate: FNU_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UG___AU__05 and UG___AU__06	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_09	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4

Values for test purpose UG___AU__05 and UG___AU__06	
VA_12	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_13	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_14	MODE: asynchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_15	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_16	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Successful

UDI

UG___UD__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30	
Comments:		

UG___UD__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM-BC = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
Comments:		

UG___UD__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2; B 2.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that the **GSM-BC**=UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the to the called user. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UG___UD__03	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

UG___UD__04	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	UMTS-GSM/Basic_call/Successful	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.	UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30 Synchronous/asynchronous mode: MODE Fix network user rate: FNU_RATE Maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
PLMN parameter values term.:	GSM-BC= information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE	
Comments:		

UG___UD__05	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	UMTS-GSM/Basic call/Successful	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.	UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. In the active call state ensure that the data transfer on the traffic channels are performed correctly.	
PLMN parameter values orign.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC= information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE LLC= information transfer capability: UDI Rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
Comments:		

Values for test purpose UG___UD__04 and UG___AD__05	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_09	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4

Values for test purpose UG___UD__04 and UG___AD__05	
VA_12	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_13	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_14	MODE: asynchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_15	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_16	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Successful

Facsimile group 3

UG___FX__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1	
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1; B 2.11	
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.11	
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.	TS 62	
PLMN selection criteria orign.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX__04	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.11, B.2.11	
TSSreference:	UMTS-GSM/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM-BC= facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

UG___AF__01	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UG___AF__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	In case of "single numbering", the call set-up to the mobile will not contain a GSM-BC element.	

UG___AF__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3	
Comments:		

UG___AF__04	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___AF__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	User A and user B are subscribed to different PLMNs first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UG___AF__06	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UG___AF__07	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = facsimile G3	
Comments:		

UG___AF__08	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= facsimile G3, no HLC second GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___AF__09	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UG___AF__10	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element. The MODIFY message in not transmitted over the ISUP.	

UG___AF__11	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:		

UG___AF__12	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b, 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech second GSM-BC= facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UG___AF__13	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b, 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element. The MODIFY message in not transmitted over the ISUP.	

UG___AF__14	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:		

UG___AF__15	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= GSM-BC= facsimile G3, no HLC second speech	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UG___AF__16	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = facsimile G3, no HLC second GSM-BC=speech	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

UG___AF__017	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = facsimile G3, no HLC second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC = facsimile G3 second GSM-BC=speech	
Comments:		

UG___AF__18	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b, 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC= Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC= facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = Facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

UG___AF__19	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC = Facsimile G3, HLC = Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC= Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

UG___AF__20	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	first GSM-BC= GSM-BC= facsimile G3, HLC= Facsimile G2/G3 second GSM-BC=speech	
Comments:		

Successful

Alternate Speech/Data

UG___AD__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UG___AD__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UG___AD__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UG___AD__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UG___AD__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

UG___AD__06	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that the repeated GSM BC-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.	

UG___AD__07	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B 1.6	
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data	
PLMN selection criteria:	BS 61	
PLMN selection criteria:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC"3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

Values for test purposes UG___AD__05 to UG___AD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

UG___AD__08	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B 1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC=3,1kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UG___AD__09	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-GSM/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that the repeated GSM BC-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.	

UG___AD__10	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B 1.6	
TSSreference:	UMTS-GSM/Basic call/Successful/Alternate speech and data	
PLMN selection criteria term.:	BS 61	
PLMN selection criteria term.:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes UG___AD__08 to UG___AD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

Speech followed by data

UG___FD__01	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UG___FD__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN,	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UG___FD__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UG___FD__04	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element	

UG___FD__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001,anex B.1.7, B.2.7.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UG___FD__06	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.2	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:		
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.	

UG___FD__07	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.2	
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values act:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

Values for test purposes UG___FD__05 to UG___FD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

UG___FD__08	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to first GSM-BC=speech, second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UG___FD__09	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	UMTS-GSM/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81	
Test purpose:	Ensure that the repeated GSM BC-IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element The MODIFY message in not transmitted over the ISUP.	

UG___FD__10	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1	
TSSreference:	UMTS-GSM/Basic call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes UG___FD__08 to UG___FD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

7.6.1.2 Unsuccessful

Unsuccessful
speech

UG___SP_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number" .	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UG___SP_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

UG___SP_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:		

UG___SP_U04	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, 18.3.2	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UG___SP_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

UG___SP_U06	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:		

UG___SP_U07	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

UG___SP_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.	GSM-BC=speech	
Comments:		

UG___SP_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=speech	
PLMN parameter values term.:	GSM-BC=speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

3,1 kHz audio ex PLMN

UG___AU_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UG___AU_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy". The network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

UG___AU_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:		

UG___AU_U04	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UG___AU_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

UG___AU_U06	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected". The network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

UG___AU_U07	**PLMN ref. to:** TS 124 008, annex B.3.2, H 5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

UG___AU_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:		

UG___AU_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=3,1 kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1 kHz audio ex PLMN	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

UDI

UG___UD_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-GSM/Basic call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

UG___UD_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

UG___UD_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

UG___UD_U04	PLMN ref. to: TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

UG___UD_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria act:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified" .	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UG___UD_U06	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UG___UD_U07	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UG___UD_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:		

UG___UD_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM-BC=UDI with V.110/X.30 rate adaption	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

Unsuccessful

Facsimile group 3

UG___FX_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	GSM-BC= facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UG___FX_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

UG___FX_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:		
Comments:		

UG___FX_U04	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18	

UG___FX_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" .	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX_U06	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile group 3	
PLMN parameter values term.:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX_U07	**PLMN ref. to:** TS 124 008, annex H. 5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UG___FX_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC = facsimile G3	
PLMN parameter values term.:	GSM-BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

Alternate speech and facsimile group 3

UG___AF_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UG___AF_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UG___AF_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UG___AF_U04	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:		

UG___AF_U05	**PLMN ref. to:** TS 124 008, H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UG___AF_U06	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
PLMN parameter values orign.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
Comments:		

UG___AF_U07	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values orign.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UG___AF_U08	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
Comments:		

UG___AF_U09	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UG___AF_U10	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
Comments:		

UG___AF_U11	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UG___AF_U12	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
Comments:		

UG___AF_U13	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UG___AF_U14	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

UG___AF_U15	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-GSM/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	first GSM-BC=Speech second GSM-BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

7.6.2 Test purposes for UMTS-GSM Supplementary services

Supplementary Services

UG___xxSSCLIP01	**PLMN ref. to:** TS 124 008, clause 9.3.23.2, TS 123 081 TS 124 081, clause 1	
TSSreference:	UMTS-GSM/Supplementary services/CLIP	
PLMN selection criteria orign.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
PLMN parameter values term.:	GSM-BC=I_BC_ID, Calling party subaddress	
PLMN parameter values orign.:	GSM-BC=G_BC_ID Calling party number: PI=PA, TON=national/international number, SI=NP, NPI=ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

UG___xxSSCLIP02	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081 TS 124 081, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CLIP	
PLMN selection criteria orign.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID Calling party number: PI=PA SI=NP TON=national/international number, NPI=ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

UG___xxSSCLIR01	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2, TS 124 081, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CLIR	
PLMN selection criteria orign.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID Calling party subaddress	
PLMN parameter values term.:	GSM-BC=G_BC_ID Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

UG___xxSSCLIR02	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CLIR	
PLMN selection criteria orign.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

UG___xxSSCOLP01	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/COLP	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; Connected number PI=PA, SI=NP, TON= national/international number, NPI= ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163) Connected subaddress	
PLMN parameter values term.:	Connected subaddress	
Comments:		

UG___xxSSCOLP 02	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/COLP	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID Connected number: SI=NP TON=national/international number, PI=PA, NPI=ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter values term.:	GSM-BC= G_BC_ID,	
Comments:		

UG___xxSSCOLR 01	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/COLR	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG01	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA). The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG02	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG03	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG04	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG05	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA). The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG06	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG07	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG08	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG09	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG10	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG11	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG12	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG13	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG14	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG15	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG16	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message (normal call).	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG17	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info:	CUG Index (CI); Suppress Pref. CUG (SPC);
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCUG18	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user is not member of CUG	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG19	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user is not member of CUG, the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user. The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG20	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user is not member of CUG	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG21	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user is not member of CUG	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG22	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG23	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG24	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB;**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

UG___xxSSCUG25	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG26	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSCUG27	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), The called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM-BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UG___xxSSSUB01	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-GSM/Supplementary_services/SUB	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSSSUB02	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-GSM/Supplementary_services/SUB	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = bminimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information.	
PLMN parameter values term.:	GSM-BC = G_BC_ID, Called party subaddress	
PLMN parameter values orign.:	GSM-BC = G_BC_ID, Called party subaddress	
Comments:		

UG___xxSSCFU01	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFU02	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU/UG___xxSSCFU02	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFB01	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User **B** is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFB02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFNRy01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion. User **B** is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFNRy02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRy	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFNRc01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFNRc02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**).	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSHOLD01	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSHOLD02	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD.	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSHOLD03	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD.	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non ñserved user during the held state.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSHOLD04	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSHOLD05	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSHOLD06	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñ served user during the held state.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSCW01	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CW	
PLMN selection criteria orign.:	CW	
PLMN selection criteria term.:	The called user is provided with CW.	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSCW02	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CW	
PLMN selection criteria orign.:	CW	
PLMN selection criteria term.:	The called user is provided with CW.	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:	GSM-BC = G_BC_ID	
Comments:		

UG___xxSSUUS1i01	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1i02	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
PLMN parameter values orign.:	BC=GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

UG___xxSSUUS1i03	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

UG___xxSSUUS1i04	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID, UI length = 32	
Comments:		

UG___xxSSUUS1i05	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:		

UG___xxSSUUS1i06	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1i	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	The requested UUS is not supported in Network B. Verify that UUI can be discarded by the network without disrupting normal call handling.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID UI length = 32	
PLMN parameter values term.:	GSM-BC=G_BC_ID UI length = 32	
Comments:	.	

UG___xxSSUUS1e01		
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1 e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**UUS not required**" the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e02	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**UUS not required**", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e03	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**UUS not required**", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e04	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating Ñ**UUS required**", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e05	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating Ñ**UUS required**", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e06	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1,	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e07	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1, 5.1.1, annex A	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS1e08	**PLMN ref. to:** TS 124 087 TS 123 087 ITU-T Recommendation Q.699	
TSSreference:	UMTS-GSM/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS201	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS 2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS202	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", if the network does not receive an explicit service 2 acceptance or rejection in the ALERTING message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS203	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS204	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS 2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating Ñ**UUS required**", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS205	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS required**", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS206	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS301	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating "**UUS not required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS302	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:	Ensure that after the calling user request UUS3 **during call establishment** indicating "**UUS not required**", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
Test purpose:		
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS303	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating Ñ**UUS required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS304	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating Ñ**UUS required**", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS305	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during the active call state** indicating "**UUS not required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSUUS306	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-GSM/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "**UUS not required**", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UGU___xxSSECT01	**PLMN ref. to:** TS 124 008	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Active call state** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UGU___xxSSECT02	**PLMN ref. to:** TS 124 008	
TSSreference:	GSM-ISDN/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call sate** and the call **A-C** is in the **Active call state ñ Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UGU___xxSSECT03	**PLMN ref. to:** TS 124 008	
TSSreference:	UMTS-GSM/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Call Delivered State** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UGU___xxSSECT04	**PLMN ref. to:** TS 124 008	
TSSreference:	UMTS-GSM/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state** and the call **A-C** is in the **Call Delivered State-Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSMPTY01	**PLMN ref. to:** TS 122 084,TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C. User A is terminating the entire multi party call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

UG___xxSSMPTY02	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and release the remote party C. The call clearing procedure to user B is performed from user A.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

UG___xxSSMPTY03	**PLMN ref. to:** TS 122 084, TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

UG___xxSSMPTY04	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UG___xxSSMPTY05	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the held multi party C, user B is clears the A-B ACTIVE call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UG___xxSSMPTY06	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call with C.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

UG___xxSSMPTY07	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

UG___xxSSMPTY08	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

UG___xxSSMPTY09	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ńHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSMPTY10	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

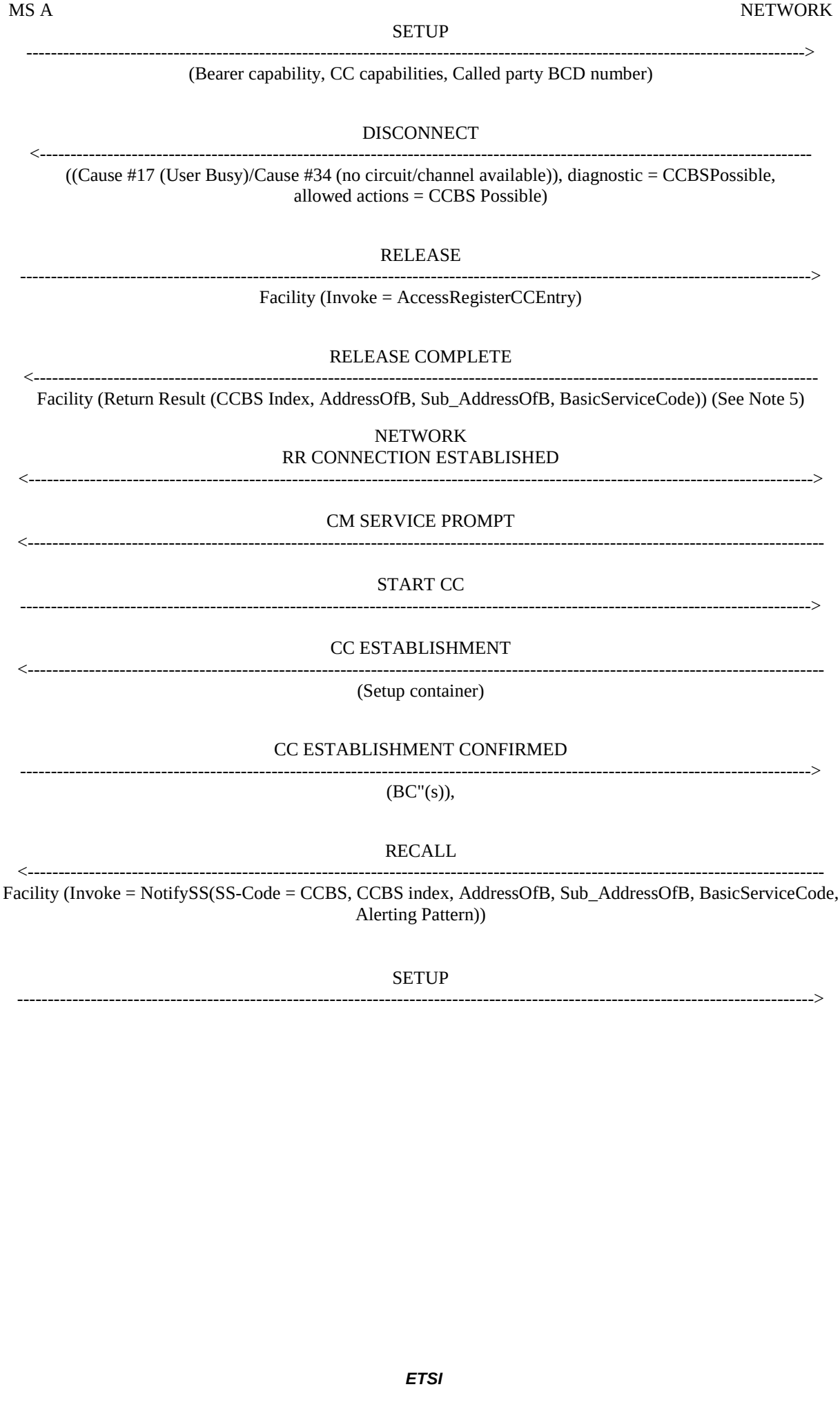
UG___xxSSMPTY11	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-GSM/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate the remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCBS01	**PLMN ref. to:** TS 123 088	
TSSreference:	UMTS-GSM/Supplementary_services/Call barring service	
PLMN selection criteria orign.:	The calling user activates Barring of Outgoing international	
PLMN selection criteria term.:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSCBS02	**PLMN ref. to:** TS 123 088	
TSSreference:	UMTS-GSM/Supplementary_services/Call barring service	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSSCBS03	**PLMN ref. to:** TS 123 088	
TSSreference:	UMTS-GSM/Supplementary_services/Call barring service	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country. Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSSCCBS01	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	


MS A
NETWORK
SETUP
(Bearer capability, CC capabilities, Called party BCD number)
DISCONNECT
((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible,
allowed actions = CCBS Possible)
RELEASE
Facility (Invoke = AccessRegisterCCEntry)
RELEASE COMPLETE
Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (See Note 5)
NETWORK
RR CONNECTION ESTABLISHED
CM SERVICE PROMPT
START CC
CC ESTABLISHMENT
(Setup container)
CC ESTABLISHMENT CONFIRMED
(BC"(s)),
RECALL
Facility (Invoke = NotifySS(SS-Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode,
Alerting Pattern))
SETUP

UG___xxSSCCBS02	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID GSM-LLC=G_LLC_ID GSM-HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

Values for test purpose GI___xxSSCCBS02	
VA_01	GSM-BC=Speech G_BC_ID_CONT = speech G_BC_ID_CC_E_C = speech G_HLC_ID_CC_E_C= telephony
VA_02	GSM-BC=Speech GSM-HLC= telephony G_BC_ID_CONT = speech G_HLC_ID_CONT= telephony G_BC_ID_CC_E_C = speech G_LLC_ID_CC_E_C = 3,1 kHz audio G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN G_BC_ID_CONT = 3,1 kHz audio ex PLMN G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM-BC = facsimile G3 G_BC_ID_CONT = facsimile G3 G_BC_ID_CC_E_C = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3
VA_05	GSM-BC = facsimile G3 G_HLC = Facsimile G2/G3 G_BC_ID_CONT = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3 G_BC_ID_CC_E_C = facsimile G3

UG___xxSSCCBS03	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call Set-up was sent) and when user B has responded to the call with a ALERTING message. The MS A receives an ALERTING message. Normal call handling continues.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

UG___xxSSCCBS04	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call Set-up was sent) and when user B has responded to the call with a CONNECT message. The MS A receives an CONNECT message. Normal call handling continues.	
PLMN parameter values orign.:	BC=I_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

UG___xxSSCCBS05	**PLMN ref. to:** EN 300 646, clause 6.1.1.14	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and release the existing call.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSCCBS06	**PLMN ref. to:** EN 300 646, clause 6.1.1.14	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:	GSM-BC=G_BC_ID	
Comments:		

UG___xxSSCCBS07	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.3	
TSSreference:	GSM-ISDN/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) The user can deactivate a specific CCBS request	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To desactivate the CCBS request MS A shall send a REGISTER message, with the Facility information element, indicating EraseCCEntry.	

UG___xxSSCCBS08	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.4	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state). The user can deactivate outstanding CCBS requests .	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSSCCBS09	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

UG___xxSSCCBS10	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-GSM/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall. The MS sends a RELEASE COMPLETE message.	
PLMN parameter values orign.:	GSM-BC=G_BC_ID	
PLMN parameter values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

Interactions

UG___xxSICFU_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFU_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-GSM/Supplementary_services/CFU/UG xxSSCFU02	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFB_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). User C is provided with CLIP	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFB_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFB-NDUB active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFNRy_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSSCFNRy_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRy	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFNRc_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFNRc_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-GSM/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICUG_CFU 01	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belongs to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C has the following CUG supplementary options: **not IA, not ICB**	
Test purpose:	Ensure that a call establishment is successful.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSICUG_CFU 02	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: not **OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSICUG_CFU 03	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSICUG_CFU 04	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFU and has active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:		
Comments:		

UG___xxSICUG_CFU 05	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-GSM/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belong to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFUand has active call forwarding to C.	
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.	
PLMN parameter values orign.:	GSM-BC= G_BC_ID	
PLMN parameter values term.:	GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFB_CW0 1	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB_CW	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = **Yes**;) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC= G_BC_ID	
Comments:		

UG___xxSICFB_CW02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-GSM/Supplementary_services/CFB_CW	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= No**) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM-BC= G_BC_ID	
PLMN parameter values term.:	**B:** CFB-UDUB, CW active **C: ?** GSM-BC= G_BC_ID	
Comments:		

7.6.3 Short message service

7.6.3.1 Short message service point to point on CS mode

UG___PP__CS_01	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are in the Idle state.	
PLMN parameter values orign.:	GSM-TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS = Short Message MT ñ PP	
Comments:		

UG___PP__CS_02	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUGer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSSauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, the SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to MS B within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UG___PP__CS_03	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are involved in an active call (Active State).	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:		

UG___PP__CS_04	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Active State N10 whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUGer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N10 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UG___PP__CS_05	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 04) Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM-TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM-TS= Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N04 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUGer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N04 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UG___PP__CS_06	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 10). Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:		

UG___PP__CS_07	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the **Idle state**. The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same or several MM connection..	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG___PP__CS_08	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the **Idle state**. The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG___PP__CS_09	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both MSs involved are in the **Active call state**. The test also verifies that MS A is able to correctly send and MS B to receive multiple short messages on the same or several MM connection.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The call clearing is continued in parallel to the following exchange of messages related to SMS. SMS messages are stored in the USIM and/or the ME. For the mobile originated short message is used the Maximum length (characters).	

UG___PP__CS_10	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both MSs involved are in the **Active call state**. The test also verifies that MS A is able to correctly send and MS B to receive multiple short messages on the same MM connection.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The call clearing is continued in parallel to the following exchange of messages related to SMS. SMS messages are stored in the USIM and/or the ME. For the mobile originated short message is used the Maximum length (characters).	

UG___PP__CS_11	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, it shall receive the Short Message from the network.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	MS - B is detached when the Short Message is sent.	

UG___PP__CS_12	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.	

7.6.3.2 Short message service point to point on PS mode

UG___PP__PS_01	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service a when both the MSs are in the Idle state. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG___PP__PS_02	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG___PP__PS_03	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG___PP__PS_04	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verifies the ability of sending and receiving of multiple short messages when both the MSs are in the Idle state.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

UG___PP__PS_05	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-GSM/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP context is in progress.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters).	

7.6.3.3 Short message service cell broadcast

UGU____CB__01	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM ñUMTS/Short_message	
PLMN selection criteria orign.:		
PLMN selection criteria term.	SMS-CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "Idle, updated".	
PLMN parameter values orign.:		
PLMN parameter values term.:	GSM - TS = Short Message MT ñ CB	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH The network has to be cofigurated to send an SMS CB with defined text on a defined channel.	

UGU___CB__02	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM ñ UMTS/Short_message	
PLMN selection criteria orign.:		
PLMN selection criteria term.	SMS - CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".	
PLMN parameter values orign.:		
PLMN parameter values term.:	GSM - TS = Short Message MT ñ CB	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH. The network has to be cofigurated to send an SMS CB with defined text on a defined channel.	

7.7 Test purposes for UMTS-UMTS

7.7.1 Test purposes for UMTS-UMTS, Basic call

In the following UMTS-UMTS Tests are used two configurations.

- At the first configuration the PLMN networks are connected only over the ISUP V2. The user A in the PLMN network N1 is calling the user B in the PLMN network N2.
- At the second configuration the user A and user B are subscribed to the same PMLN (Network N1) and user B is roaming in a VPLMN (Network N2). This configuration is used only in the groups: Alternate speech and facsimile group 3, Alternate Speech/Data and Speech followed by data.

7.7.1.1 Successful

Successful
Speech

UU___SP__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = speech, no HLC	
PLMN parameter values term.:	GSM - BC = speech, no HLC	
Comments:		

UU___SP__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.1	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = speech, no HLC	
PLMN parameter values term.:	GSM - BC = speech, no HLC	
Comments:		

UU___SP__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = speech, HLC = telephony	
PLMN parameter values term.:	GSM - BC = speech, HLC = telephony	
Comments:		

UU___SP__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 122 003, clause 6 TS 127 001, annex B.2.8	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user. After the call establishment the call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = speech, HLC = telephony	
PLMN parameter values term.:	GSM - BC = speech, HLC = telephony	
Comments:		

Successful

3,1 kHz audio, ex PLMN

UU___AU__01	**PLMN ref. to:** TS 124 008, clause 5.2, clause 5.4 TS 129 007, clause 10.2	
TSSreference:	UMTS-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
Comments:		

UU___AU__02	**PLMN ref. to:** TS 124 008, clause 5.2.1, clause 5.4 TS 129 007, clause 10.2	
TSSreference:	UMTS-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
Comments:		

UU___AU__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.2	
TSSreference:	UMTS-UMTS/Basic_call/Successful/3,1 kHz audio, ex PLMN	
PLMN selection criteria act:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Support voice band data via modem. Ensure that the GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the calling user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE no LLC	
Comments:		

UU___AU__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2, B.2.2	
TSSreference:	UMTS-UMTS/Basic call/Successful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that the **GSM-BC=3,1kHz** audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to G_USER_RATE is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the called user. In the active call state (N10) ensure that the data transfer on the traffic channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes UU___AU__03; UU___AU__04;	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

UU___AU__05	**ISDN ref. to:** EN 300 403-1	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034
TSSreference:	UMTS-UMTS/Basic_call/Successful	
PLMN selection criteria orign.:	3,1 kHz	
PLMN selection criteria term.	3,1 kHz	
Test purpose:	Ensure that the GSM-BC with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE	
Comments:		

UU___AU__06	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	UMTS-UMTS/Basic call/Successful	
PLMN selection criteria orign.:	3,1 kHz	
PLMN selection criteria term.	3,1 kHz	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: 3,1 kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE LLC= 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UU___AU__05 and UU___AU__06	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_09	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4

Values for test purpose UU___AU__05 and UU___AU__06	
VA_12	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_13	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_14	MODE: asynchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_15	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_16	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Successful

UDI

UU___UD__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS U TS/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - B = UDI, rate adaption V.110/X.30, LLC=UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM - B = UDI, rate adaption V.110/X.30, LLC= UDI, rate adaption V.110/X.30	
Comments:		

UU___UD__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2	
TSSreference:	UMTS-UMTS/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Support of terminal adapters V.110/X.30. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
PLMN parameter values term.:	GSM - BC = UDI, rate adaption V.110/X.30, LLC = UDI, rate adaption V.110/X.30	
Comments:		

UU___UD__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2 TS 127 001, annex B.1.2; B 2.2	
TSSreference:	UMTS-UMTS/Basic_call/Successful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that the **GSM-BC** = UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and the LLC=UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly delivered to the to the called user. In the active call state (N10) ensure that the data transfer on the traffic and B-channels is performed correctly. The call clearing procedure is performed from the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM-BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purpose UI___DU__03	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

UU___DU__04	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	UMTS-UMTS/Basic_call/Successful	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.	UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X is correctly mapped to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = UDI, V.110/X.30 Synchron ous/asynchronous mode: MODE Fix network user rate: FNU_RATE Maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X	
PLMN parameter values term.:	GSM - BC = information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE	
Comments:		

UU___DU__05	**PLMN ref. to:** TS 124 008 TS 129 007 TS 123 034	
TSSreference:	UMTS-ISDN/Basic call/Successful/HSCSD ñ UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.	UDI	
Test purpose:	Ensure that the **GSM-BC** with the parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, fix network user rate set to FNU_RATE, maximum number of traffic channels set to No_TCH, wanted air interface user rate set to AIU_RATE, acceptable channel coding set to TCH_FX_X and the **LLC** parameter values: information transfer capability UDI, V.110/X.30, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE is correctly mapped and delivered to the called user. In the active call state ensure that the data transfer on the traffic channels are performed correctly.	
PLMN parameter values orign.:	GSM - BC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE fix network user rate: FNU_RATE maximum number of traffic channels: No_TCH, air interface user rate: AIU_RATE acceptable channel coding: TCH_FX_X LLC = UDI, V.110/X.30, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	GSM - BC = information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, fix network user rate: FNU_RATE LLC = information transfer capability: UDI rate adaptation: V.110/X.30, synchronous/asynchronous mode: MODE, user rate: USER_RATE	
Comments:		

Values for test purpose UU___DU__04 and DU___HU__05	
VA_01	MODE: synchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_02	MODE: synchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 3 AIU_RATE: 14.4 kbit/s TCH_FX_X: 4.8
VA_03	MODE: synchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 2 AIU_RATE: 19.2 TCH_FX_X: 9.6
VA_04	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_05	MODE: synchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_06	MODE: synchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 3 AIU_RATE: 28.8 kbit/s TCH_FX_X: 9.6
VA_07	MODE: synchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 kbit/s TCH_FX_X: 9.6
VA_08	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_09	MODE: synchronous USER_RATE: 56.0 kbit/s FNU_RATE: 56.0 kbit/s transparent No_TCH: 4 AIU_RATE: 57.6 TCH_FX_X: 14.4
VA_10	MODE: asynchronous USER_RATE: 9.6 kbit/s FNU_RATE: 9.6 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4
VA_11	MODE: asynchronous USER_RATE: 14.4 kbit/s FNU_RATE: 14.4 kbit/s No_TCH: 1 AIU_RATE: 14.4 TCH_FX_X:14.4

Values for test purpose UU___DU__04 and DU___HU__05	
VA_12	MODE: asynchronous USER_RATE: 19.2 kbit/s FNU_RATE: 19.2 kbit/s No_TCH: 4 AIU_RATE: 19,2 TCH_FX_X: 4.8
VA_13	MODE: asynchronous USER_RATE: 28.8 kbit/s FNU_RATE: 28.8 kbit/s No_TCH: 2 AIU_RATE: 28.8 TCH_FX_X:14.4
VA_14	MODE: asynchronous USER_RATE: 32.0 kbit/s FNU_RATE: 32.0 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_15	MODE: asynchronous USER_RATE: 33.6 kbit/s FNU_RATE: 33.6 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6
VA_16	MODE: asynchronous USER_RATE: 38.4 kbit/s FNU_RATE: 38.4 kbit/s No_TCH: 4 AIU_RATE: 38.8 TCH_FX_X:9.6

Successful

Facsimile group 3

UU___FX__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.1.1, B 2.11	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2 TS 127 001, annex B.1.11	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.	TS 62	
PLMN selection criteria orign.	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC-IE representing facsimile group 3 is correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP and mapped again to GSM - BC = facsimile G3). The HLC "facsimile G2/G3" inserted by the network is also delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX__04	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.11, B 2.11	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Support of Telefax G3. Ensure that the GSM BC - IE representing facsimile group 3 is correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to GSM - BC = facsimile G3). The HLC "facsimile G2/G3" received from the MS is delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

Successful

Alternate speech and facsimile group 3

UU___AF__01	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UU___AF__02	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UU___AF__03	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = facsimile G3, no HLC second GSM - BC = G_BC_ID	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3	
Comments:		

UU___AF__04	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = facsimile G3, no HLC second GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___AF__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:	User A and user B are subscribed to different PLMNs firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UU___AF__06	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element.	

UU___AF__07	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = facsimile G3, no HLC second GSM - BC = G_BC_ID	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3	
Comments:		

UU___AF__08	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = facsimile G3, no HLC second GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___AF__09	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

UU___AF__10	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element The MODIFY message in not transmitted over the ISUP.	

UU___AF__11	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:		

UU___AF__12	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM - BC = facsimile G3, no HLC). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UU___AF__13	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly mapped (to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element. The MODIFY message in not transmitted over the ISUP.	

UU___AF__14	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the service "facsimile G3" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
PLMN parameter values term.:	first GSM-BC=speech second GSM-BC= facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___AF__15	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to firstGSM-BC=Speech, second GSM - BC = facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = GSM - BC = facsimile G3, no HLC second speech	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

UU___AF__16	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN - BC = 3,1 kHz audio with the HLC = Facsimile G2/G3 (single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = facsimile G3, no HLC secondGSM-BC=Speech	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

UU___AF__017	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = facsimile G3, no HLC secondGSM-BC=Speech	
PLMN parameter values term.:	first GSM - BC = facsimile G3 secondGSM-BC=Speech	
Comments:		

UU___AF__18	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" with the HLC = Facsimile G2/G3 and the second indicating the service "speech" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio with the HLC = Facsimile G2/G3 over the ISUP and mapped again to first GSM - BC=speech, second GSM - BC = facsimile G3). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = Facsimile G3, HLC = Facsimile G2/G3 secondGSM-BC=Speech	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = facsimile G3, no HLC	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR The MODIFY message in not transmitted over the ISUP.	

UU___AF__19	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 9.2.2 b 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly mapped to ISDN - BC = 3,1 kHz audio with the HLC = Facsimile G2/G3(single-numbering scheme). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = Facsimile G3, HLC = Facsimile G2/G3 secondGSM-BC=Speech	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	The MODIFY message in not transmitted over the ISUP.	

UU___AF__20	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.10	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61, User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "facsimile G3" and the second indicating the service "speech" are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC = GSM - BC = facsimile G3, HLC = Facsimile G2/G3 second GSM-BC=speech	
PLMN parameter values term.:	first GSM - BC = GSM - BC = facsimile G3, HLC = Facsimile G2/G3 secondGSM-BC=Speech	
Comments:		

Successful

Alternate Speech/Data

UU___AD__01	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UU___AD__02	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM-BC=speech second GSM-BC=3,1 kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UU___AD__03	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UU___AD__04	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria act:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that call establishment (single-numbering scheme) and the call clearing procedure is performed correctly when the called user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UU___AD__05	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UU___AD__06	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that the repeated GSM BC-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN-BC= 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.	

UU___AD__07	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data	
PLMN selection criteria:	BS 61	
PLMN selection criteria:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC"3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

Values for test purposes UU___AD__05 to UU___AD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

UU___AD__08	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	BS 61	
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UU___AD__09	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Alternate speech and data	
PLMN selection criteria orign.:	BS 61	
PLMN selection criteria term.:	Single numbering Scheme, BS 61	
Test purpose:	Ensure that the repeated GSM BC-Ies preceded by a repeat indicator "circular" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element. The MODIFY message in not transmitted over the ISUP.	

UU___AD__10	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B 1.6	
TSSreference:	UMTS-UMTS/Basic call/Successful/Alternate speech and data	
PLMN selection criteria term.:	BS 61	
PLMN selection criteria term.:	BS 61; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC-IE (preceded by a repeat indicator "circular"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes UU___AD__08 to UU___AD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

Successful

Speech followed by data

UU___FD__01	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN,	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN,	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UU___FD__02	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN,	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM-BC element.	

UU___FD__03	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that call establishment and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR.	

UU___FD__04	**PLMN ref. To:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, B.1.7	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that call establishment (single-numbering scheme)and the call clearing procedure is performed correctly when the calling user clears after answer. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element.	

UU___FD__05	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B.1.7, B.2.7.2	
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data/	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UU___FD__06	**PLMN ref. To:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, B.1.7, B.2.7.2	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "sequential" are correctly mapped (to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:		
Comments:	In case of single numbering the call set-up to the mobile will not contain a GSM - BC element. The MODIFY message in not transmitted over the ISUP.	

UU___FD__07	**PLMN ref. to:** TS 124 008, clause 5.2 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.2	
TSSreference:	UMTS-UMTS/Basic call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE are correctly delivered to the called user. Ensure that in the call delivered state (N4) the transfer of tone is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice transfer on the traffic channels is performed correctly.	
PLMN parameter values act:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE	
Comments:		

Values for test purposes UU___FD__05 to UU___FD__07	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous G_USER_RATE: 9,6 kbit/s

UU___FD__08	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81	
Test purpose:	Ensure that the repeated GSM BC - Ies preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP and mapped again to firstGSM-BC=Speech, second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE). Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	first GSM - BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:	The call set-up to the mobile will contain a GSM BC mapped from the BC/LLC/HLC stored in the VLR. The MODIFY message in not transmitted over the ISUP.	

UU___FD__09	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	Single numbering Scheme, BS 81;	
Test purpose:	Ensure that the repeated GSM BC - IEs preceded by a repeat indicator "sequential" are correctly delivered (mapped to ISDN - BC = 3,1 kHz audio over the ISUP) and the call set-up to the MS (single-numbering scheme) will not contain a GSM BC element. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	first GSM - BC=speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:		
Comments:	The call set-up to the mobile will not contain a GSM BC element. The MODIFY message in not transmitted over the ISUP.	

UU___FD__10	**PLMN ref. to:** TS 124 008, clause 5.2.1 TS 129 007, clause 10.2.2 TS 127 001, annex B.1.7, B.2.7.1,	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Speech followed by data	
PLMN selection criteria orign.:	BS 81	
PLMN selection criteria term.:	BS 81; User A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN (Visited PLMN)	
Test purpose:	User A and user B are subscribed to different PLMNs and user B is roaming in a VPLMN (Visited PLMN). Ensure that the repeated GSM BC - IE (preceded by a repeat indicator "sequential"), the first indicating "speech" and the second indicating the appropriate data service with the ITC "3,1 kHz audio ex PLMN, synchronous/asynchronous mode is set to MODE, user rate set to USER_RATE) and LLC are correctly delivered to the called user. Ensure that in the active call state (N10) the data transfer on the traffic channels is performed correctly.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM-BC=3,1kHz audio ex PLMN, voice band data via modem, synchronous/asynchronous mode: MODE user rate: G_USER_RATE LLC = 3,1 kHz audio, voice band data via modem, synchronous/asynchronous mode: MODE user rate: USER_RATE	
Comments:		

Values for test purposes UU___FD__08 to UU___FD__10	
VA_01	Selection criteria: synchronous mode, BS 31 MODE: synchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_02	Selection criteria: synchronous mode, BS 32 MODE: synchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_03	Selection criteria: synchronous mode, BS 33 MODE: synchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_04	Selection criteria: synchronous mode, BS 34 MODE: synchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s
VA_05	Selection criteria: asynchronous mode, BS 21 MODE: asynchronous USER_RATE: 0,3 kbit/s G_USER_RATE: 0,3 kbit/s
VA_06	Selection criteria: asynchronous mode, BS 22 MODE: asynchronous USER_RATE: 1,2 kbit/s G_USER_RATE: 1,2 kbit/s
VA_07	Selection criteria: asynchronous mode, BS 24 MODE: asynchronous USER_RATE: 2,4kbit/s G_USER_RATE: 2,4 kbit/s
VA_08	Selection criteria: asynchronous mode, BS 25 MODE: asynchronous USER_RATE: 4,8 kbit/s G_USER_RATE: 4,8 kbit/s
VA_09	Selection criteria: asynchronous mode, BS 26 MODE: asynchronous USER_RATE: 9,6 kbit/s G_USER_RATE: 9,6 kbit/s

7.7.1.2 Unsuccessful

Unsuccessful
speech

UU___SP_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number" .	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UU___SP_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:	GSM - BC = speech	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

UU___SP_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (NDUB), the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:		
Comments:		

UU___SP_U04	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UU___SP_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:	GSM - BC = speech	
Comments:		

UU___SP_U06	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:	GSM - BC = speech	
Comments:		

UU___SP_U07	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.	GSM - BC = speech	
Comments:		

UU___SP_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.	GSM - BC = speech	
Comments:		

UU___SP_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Speech	
PLMN selection criteria orign.:	TS 11	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM - BC = speech	
PLMN parameter values term.:	GSM - BC = speech	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

3,1 kHz audio ex PLMN

UU___AU_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number"	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UU___AU_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy". The network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

UU___AU_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:		

UU___AU_U04	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UU___AU_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified".	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN	
Comments:		

UU___AU_U06	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", . The network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN	
Comments:		

UU___AU_U07	**PLMN ref. to:** TS 124 008, annex B.3.2, H 5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN	
Comments:		

UU___AU_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN	
Comments:		

UU___AU_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/3,1 kHz audio ex PLMN	
PLMN selection criteria orign.:	Audio	
PLMN selection criteria term.:	Audio	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM-BC=3,1kHz audio ex PLMN	
PLMN parameter values term.:	GSM-BC=3,1kHz audio ex PLMN	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

UDI

UU___UD_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

UU___UD_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy").	

UU___UD_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

UU___UD_U04	PLMN ref. to: TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:		
Comments:		

UU___UD_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria act:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" or using cause #31 "normal, unspecified" .	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption	
Comments:		

UU___UD_U06	**PLMN ref. to:** TS 124 008, clause 5.2.2.3.1, annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
Comments:		

UU___UD_U07	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination ", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption	
Comments:		

UU___UD_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/UDI	
PLMN selection criteria orign.	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption	
Comments:		

UU___UD_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/UDI	
PLMN selection criteria orign.:	UDI	
PLMN selection criteria term.:	UDI	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM - BC = UDI with V.110/X.30 rate adaption	
PLMN parameter values term.:	GSM - BC = UDI with V.110/X.30 rate adaption	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy)	

Unsuccessful

Facsimile group 3

UU___FX_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	GSM - BC = facsimile G3, no HLC	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UU___FX_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	After receiving the SETUP message, the called MS replies immediately with a RELEASE COMPLETE (#17 "user busy")	

UU___FX_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy" and transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:		
Comments:		

UU___FX_U04	**PLMN ref. to:** TS 124 008, annex H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18	

UU___FX_U05	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire" .	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX_U06	**PLMN ref. to:** TS 124 008, clause 5.2.1, annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = facsimile group 3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX_U07	**PLMN ref. to:** TS 124 008, annex H. 5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 11	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 " incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX_U08	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Facsimile G3	
PLMN selection criteria act:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:		

UU___FX_U09	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Facsimile G3	
PLMN selection criteria orign.:	TS 62	
PLMN selection criteria term.:	TS 62	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	GSM - BC = facsimile G3	
PLMN parameter values term.:	GSM - BC = facsimile G3, HLC = Facsimile G2/G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy").	

Unsuccessful

Alternate speech and facsimile group 3

UU___AF_U01	**PLMN ref. to:** TS 124 008, annex H.1.1	
TSSreference:	UMTS-UMTS/Basic call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned (unallocated) number".	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #1.	

UU___AF_U02	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
Comments:		

UU___AF_U03	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) and responds with RELEASE COMPLETE indicating cause value #17 "user busy", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UU___AF_U04	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (NDUB) the network initiate call clearing to the calling user indicating cause value #17 "user busy".	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:		

UU___AF_U05	**PLMN ref. to:** TS 124 008 H.1.7 TS 129 002, clause 18.2, clause 18.3.2	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria orign.:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	The PLMN Subscriber is in mode "detached". The GMSC will be informed by the HLR (MAP Error #18) that the subscriber cannot be reached. The network initiates call clearing to the calling user with cause value #18 "no user responding".	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	NOTE: Some PLMNs provide announcements instead of sending cause value #18.	

UU___AF_U06	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when there is No answer from the called user (but user alerted), the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
Comments:		

UU___AF_U07	**PLMN ref. to:** TS 124 008, annex H.1.8	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when there is no answer from the called user (but user alerted), (single-numbering scheme) the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #19 "no answer from user (user alerted)" and sends to the called user a RELEASE message indicating cause #102 "recovery on timer expire".	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values orign.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UU___AF_U08	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
Comments:		

UU___AF_U09	**PLMN ref. to:** TS 124 008, clause 5.1, annex H.1.9	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the called user rejects the call (single-numbering scheme) and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UU___AF_U10	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
Comments:		

UU___AF_U11	**PLMN ref. to:** TS 124 008, annex H.5.3	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the called user (single-numbering scheme) is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "incompatible destination", the network transport the cause value to the calling user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UU___AF_U12	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user, the network transport the cause value to the called user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
Comments:		

UU___AF_U13	**PLMN ref. to:** TS 124 008, annex H.1.5	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing", before answer from called user (single-numbering scheme), the network transport the cause value to the called user.	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN.	

UU___AF_U14	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	TS 61	
Test purpose:	Ensure that, when the called user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
Comments:	While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

UU___AF_U15	**PLMN ref. to:** TS 124 008, annex H.1.6	
TSSreference:	UMTS-UMTS/Basic_call/Unsuccessful/Alternate speech and facsimile G3	
PLMN selection criteria act:	TS 61	
PLMN selection criteria term.:	Single numbering Scheme, TS 61	
Test purpose:	Ensure that, when the called (single-numbering scheme) user is busy (UDUB) after being alerted, the network initiate call clearing to the calling user with a DISCONNECT message indicating cause value #17 "user busy".	
PLMN parameter values orign.:	firstGSM-BC=Speech second GSM - BC = Facsimile G3	
PLMN parameter values term.:		
Comments:	In case of "single numbering" the call set-up to the mobile will not contain a GSM - BC element, except in the case when user A and user B are subscribed to the same PLMN and user B is roaming in a VPLMN. While in the alerting state, the called user sends a DISCONNECT (#17 "user busy).	

7.7.2 Test purposes for UMTS-UMTS Supplementary services

Supplementary Services

UU___xxSSCLIP01	**PLMN ref. to:** TS 124 008, clause 9.3.23.2, TS 123 081 TS 124 081, clause 1	
TSSreference:	UMTS-UMTS/Supplementary services/CLIP	
PLMN selection criteria orign.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.	
PLMN parameter values term.:	GSM - BC = I_BC_ID, Calling party subaddress	
PLMN parameter values orign.:	GSM - BC = G_BC_ID Calling party number: PI = PA, TON = national/international number, SI = NP, NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

UU___xxSSCLIP02	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081 TS 124 081, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CLIP	
PLMN selection criteria orign.:	CLIP	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when No Calling party subaddress is provided by the calling user, the Calling party number information element is network provided and correctly delivered to the called (served) user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID, Calling party number: PI=PA SI=NP TON = national/international number, NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
Comments:		

UU___xxSSCLIR01	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CLIR	
PLMN selection criteria orign.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information. The Calling party subaddress shall not be present.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID, Calling party subaddress	
PLMN parameter values term.:	GSM - BC = G_BC_ID Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

UU___xxSSCLIR02	**PLMN ref. to:** TS 124 008, clause 9.3.23.2 TS 123 081, clause 2 TS 124 081, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CLIR	
PLMN selection criteria orign.:	CLIR	
PLMN selection criteria term.:	The called user is provided with CLIP	
Test purpose:	The calling user is provided with CLIR permanent mode subscription. Ensure that when No Calling party subaddress is provided by the calling user the Calling party number information element is delivered to the called user without any digit information.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	Calling party number: PI=PR TON=unknown SI=NP NPI=unknown	
Comments:		

UU___xxSSCOLP01	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/COLP	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
Test purpose:	Ensure that when the Connected subaddress number is provided by the called user, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; Connected number PI=PA, SI=NP, TON = national/international number, NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163) Connected subaddress	
PLMN parameter values term.:	Connected subaddress	
Comments:		

UU___xxSSCOLP02	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/COLP	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLP	
Test purpose:	Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and correctly delivered to the calling (served) user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID Connected number: SI=NP TON = national/international number, PI=PA, NPI = ISDN/Telephony numbering plan (ITU-T Recommendation E.164/E.163)	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCOLR01	**PLMN ref. to:** TS 124 008, clause 9.3.5.2 TS 123 081, clause 3 TS 124 081, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/COLR	
PLMN selection criteria orign.:	The calling user is provided with COLP	
PLMN selection criteria term.:	COLR	
Test purpose:	The called (served) user is provided with COLR permanent mode subscription. Ensure that when No Connected subaddress is provided by the called user, the Connected number information element is network provided and delivered to the calling user without any digit information.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID, Connected number: PI=PR, SI=NP, TON=unknown, NPI=unknown;	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG01	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG02	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG03	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; Calling user and called user belong to the **same** CUG; CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA)	
PLMN parameter values term.:	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG04	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG05	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA). The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG06	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN)	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the **same** CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG07	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC= G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG08	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC= G_BC_ID; Facility (Invoke =NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG09	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message with a Facility IE which contains an CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG10	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCUG11	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCUG12	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE which contains an CUG index associated with the invoked CUG (normal call).	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC= G_BC_ID	
Comments:		

UU___xxSSCUG13	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC). The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCUG14	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC= G_BC_ID	
Comments:		

UU___xxSSCUG15	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **IA; not ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with, Suppress Pref. CUG (SPC), The called user receives a SETUP message without a Facility IE.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCUG16	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), the called user receives a SETUP message (normal call).	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCUG17	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user is **not a CUG subscriber**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), The called user receives a SETUP.	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:	GSM - BC= G_BC_ID	
Comments:		

UU___xxSSCUG18	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user is not member of CUG	
PLMN selection criteria term.:	The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG19	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user is not member of CUG, the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to CUG with the following CUG supplementary options: **not IA; not ICB**	
Test purpose:	Ensure that when the **calling** user has not subscribed to the CUG and the **called** user belongs to a CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a ForwardCUG-Info the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG20	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user is not member of CUG	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) Call establishment is not possible and the network initiate call clearing to the calling user with cause value #29 "facility rejected ".	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG21	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user is not member of CUG	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs not to a CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), Suppress OA (SOA) call establishment is not possible and the network initiate call clearing to the calling user with cause value #87 "user not a member of CUG".	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC); Suppress OA (SOA);	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG22	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG23	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG24	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	The calling user belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG,** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; The called user belongs to the same CUG with the following CUG supplementary options: **not IA; ICB;**	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), Suppress Pref. CUG (SPC), call establishment is not possible and the network initiate call clearing to the calling user with cause value #55 "incoming calls barred within CUG".	
PLMN parameter values orign.:	GSM - BC= G_BC_ID; ForwardCUG-Info: CUG Index (CI); Suppress Pref. CUG (SPC);	
PLMN parameter values term.:		
Comments:		

UU___xxSSCUG25	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG26	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG**	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in a **VPLMN** (Visited PLMN); calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))	
Comments:		

UU___xxSSCUG27	**PLMN ref. to:** TS 123 085 TS 124 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG	
PLMN selection criteria orign.:	CUG supplementary options: **not OA; not OCB; not Pref. CUG** the calling user is roaming in a **VPLMN** (Visited PLMN).	
PLMN selection criteria term.:	Calling user and called are subscribed to the **same** HPLMN; the called user is roaming in the same **VPLMN** (Visited PLMN) of the calling user; calling user and called user belong to the **same** CUG; CUG supplementary options: **not IA; not ICB**.	
Test purpose:	Ensure that when the **calling** user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the **called** user belongs to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with the Facility IE which shall contain a ForwardCUG-Info with CUG Index (CI), the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID; ForwardCUG-Info: CUG Index (CI).	
PLMN parameter values term.:	GSM - BC = G_BC_ID; Facility (Invoke = NotifySS(CUG-Index))	
Comments:		

UU___xxSSSUB01	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-UMTS/Supplementary_services/SUB	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSSSUB02	**PLMN ref. to:** TS 124 008, clause 9.3.23.1.5	
TSSreference:	UMTS-UMTS/Supplementary_services/SUB	
PLMN selection criteria orign.:	SUB	
PLMN selection criteria term.:	SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with length = minimum, the Called party subaddress is correctly delivered to the called (served) user without any digit information.	
PLMN parameter values term.:	GSM - BC = G_BC_ID, Called party subaddress	
PLMN parameter values orign.:	GSM - BC = G_BC_ID, Called party subaddress	
Comments:		

UU___xxSSCFU01	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke = NotifySS[CFU, SS - Notification]) message, user **C** is notified with a FACILITY IE (Invoke = NotifySS[CFU,SS - Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFU02	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU/UU___xxSSCFU02	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFB01	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB-**NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. User **B** is notified with a FACILITY (Invoke = NotifySS[CFB, SS-Notification]) message of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFB - NDUB active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFB02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB - **NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**)	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFB - NDUB active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFNRy01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFNRy, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNRy, SS-Notification]) of call diversion. User **B** is notified with a NOTIFY (Invoke = NotifySS[CFNRy, SS-Notification]) message of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFNRy02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRy	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**)	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFNRc01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**).	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke = NotifySS[CFNRy, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke = NotifySS[CFNRy, SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFNRc02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**).	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke NotifySS[CFU,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSHOLD01	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and the call can be retrieved	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSHOLD02	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the calling user in the held state.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSHOLD03	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	The calling user is provided with HOLD	
PLMN selection criteria term.:	HOLD	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call hold and that the call can be released from the called non ñserved user during the held state.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSHOLD04	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and the call can be retrieved	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSHOLD05	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the called user in the held state.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSHOLD06	**PLMN ref. to:** TS 123 083, clause 2 TS 124 083, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/HOLD	
PLMN selection criteria orign.:	HOLD	
PLMN selection criteria term.:	The called user is provided with HOLD	
Test purpose:	Ensure that the called user can initiate Call Hold, the calling remote user is notified of call hold and that the call can be released from the calling non ñ served user during the held state.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCW01	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CW	
PLMN selection criteria orign.:	CW	
PLMN selection criteria term.:	The called user is provided with CW	
Test purpose:	Ensure that the called user (MS) is busy, the called user is notified of the call waiting.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCW02	**PLMN ref. to:** TS 123 083, clause 1 TS 124 083, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CW	
PLMN selection criteria orign.:	CW	
PLMN selection criteria term.:	The called user is provided with CW	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1i01	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID,	
PLMN parameter values term.:	GSM - BC = G_BC_ID,	
Comments:		

UU___xxSSUUS1i02	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
PLMN parameter values orign.:	BC = GSM - BC = G_BC_ID, UI length = 32	
PLMN parameter values term.:	GSM - BC = G_BC_ID, UI length = 32	
Comments:		

UU___xxSSUUS1i03	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID, UI length = 32	
PLMN parameter values term.:	GSM - BC =G_BC_ID, UI length = 32	
Comments:		

UU___xxSSUUS1i04	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the network can transport a User-user information element included in a call clearing DISCONNECT message sent from the calling user and delivered in the DISCONNECT message sent by the network to the called user.	
PLMN parameter values orign.:	GSM - BC =G_BC_ID, UI length = 32	
PLMN parameter values term.:	GSM - BC = G_BC_ID, UI length = 32	
Comments:		

UU___xxSSUUS1i05	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in premature clearing RELEASE COMPLETE message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID, UI length = 32	
PLMN parameter values term.:	GSM - BC = G_BC_ID, UI length = 32	
Comments:		

UU___xxSSUUS1i06	**PLMN ref. to:** TS 124 008, clause 10.5.4.25	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1i	
PLMN selection criteria orign.:	UUS1i	
PLMN selection criteria term.:	The calling (served) user is provided with a UUS1 implicit request.	
Test purpose:	The requested UUS is not supported in Network B. Verify that UUI can be discarded by the network without disrupting normal call handling.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID, UI length = 32	
PLMN parameter values term.:	GSM - BC = G_BC_ID, UI length = 32	
Comments:	.	

UU___xxSSUUS1e01		
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1 e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "**UUS not required**" the network can transport a User-user information element included in the SETUP message sent from the calling user and delivered in the SETUP message sent by the network to the called user and the network can transport a User-user information element included in the CONNECT message sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e02	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**UUS not required**", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the ALERTING message. The Return Result component in the Facility information element shall be sent in the ALERTING message to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e03	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "**UUS not required**", the called user shall include the Return Result component in the Facility information element with the service 1 rejection in the CONNECT message. The Return Result component in the Facility information element shall be sent in the CONNECT message to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e04	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating Ñ**UUS required**", the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the ALERTING with the UUI information element. The network can transport a User-user information element included in the ALERTING message which is sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e05	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that with the explicit request of UUS1 indicating Ñ**UUS required**", if the network can transport a User-user information element included in the SETUP message from the calling user and delivered in the SETUP message to the called user. The called user shall include the explicit service 1 acceptance in the CONNECT with the UUI information element. The network can transport a User-user information element included in the CONNECT message which is sent from the called user to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e06	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1,	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", if the called network receives an ALERTING message from the called user including an explicit service 1 rejection the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e07	**PLMN ref. to:** TS 124 087 TS 123 087, clause 4.1.2.1, 5.1.1, annex A	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", the called network receives an CONNECT message from the called user including an explicit service 1 rejection, then the calling network shall clear the call with a DISCONNECT message including the Cause value #29 "facility rejected" and the Error value "rejectedByUser" received from the called network .	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS1e08	**PLMN ref. to:** TS 124 087 TS 123 087 ITU-T Recommendation Q.699	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS1e	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:	UUS1e	
Test purpose:	Ensure that after explicit request of UUS1 indicating Ñ**UUS required**", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message, the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS201	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS 2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", the network can transport USER INFORMATION messages between the ALERTING and the CONNECT messages in each direction.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS202	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", if the network does not receive an explicit service 2 acceptance or rejection in the ALERTING message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS203	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", and the network does not receive an ALERTING message (with an explicit service 2 acceptance or rejection) before receiving the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS204	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS 2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS required**", the network can transport USER INFORMATION messages, between the ALERTING and the CONNECT messages in each direction.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS205	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2 e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS required**", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS206	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS2	
PLMN selection criteria orign.:	UUS2	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS2 indicating "**UUS not required**", if the network does not receive an ALERTING message before receiving the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS301	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating "**UUS not required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS302	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:	Ensure that after the calling user request UUS3 **during call establishment** indicating "**UUS not required**", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall continue with normal call handling.	
Test purpose:		
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS303	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating Ñ**UUS required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS304	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during call establishment** indicating Ñ**UUS required**", if the network does not receive an explicit acceptance or rejection in the CONNECT message from the called user, the served subscriber shall clear the call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS305	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS1e	
PLMN selection criteria term.:		
Test purpose:	Ensure that after activation of UUS3 **during the active call state** indicating "**UUS not required**", the network can transport USER INFORMATION messages in both directions during the Active state of the call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSUUS306	**PLMN ref. to:** TS 124 087 TS 123 087	
TSSreference:	UMTS-UMTS/Supplementary_services/UUS3	
PLMN selection criteria orign.:	UUS3	
PLMN selection criteria term.:		
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "**UUS not required**", if the called user rejects the service 3 request, the network can transport the FACILITY message including UserUserService Return Error component to the calling user.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UUG___xxSSECT01	**PLMN ref. to:** TS 124 008	
TSSreference:	UMTS-ISDN/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Active call state** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UUG___xxSSECT02	**PLMN ref. to:** TS 124 008	
TSSreference:	UMTS-ISDN/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call sate** and the call **A-C** is in the **Active call state ñ Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UUG___xxSSECT03	**PLMN ref. to:** TS 124 008	
TSSreference:	UMTS-UMTS/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state ñ Call Held auxiliary state** and the call **A-C** is in the **Call Delivered State** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user B.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UUG___xxSSECT04	**PLMN ref. to:** TS 124 008	
TSSreference:	UMTS-UMTS/Supplementary_services/ECT	
PLMN selection criteria orign.:	ECT	
PLMN selection criteria term.:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2. Ensure that when user A invokes ECT in which the call **A-B** is in the **Active call state** and the call **A-C** is in the **Call Delivered State - Call Held auxiliary state,** a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSMPTY01	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C. User A is terminating the entire multi party call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. User A is terminating the entire multi party call.	

UU___xxSSMPTY02	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user Cand release the remote party C. The call clearing procedure to user B is performed from user A.	
PLMN parameter values orign.:	GSM - BC= G_BC_ID	
PLMN parameter values term.:	GSM - BC= G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. The call clearing procedure to user B is performed from user A.	

UU___xxSSMPTY03	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C. Afterwards the remote party C disconnects itself from the call. The call clearing procedure to user B is performed from user A.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call.	

UU___xxSSMPTY04	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and Separate the remote user B from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the multi-party call and the single active call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UU___xxSSMPTY05	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A terminates the held multi party C, user B is clears the A-B ACTIVE call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call.	

UU___xxSSMPTY06	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User B is clearing the A-B Active call. After the completion of the Retrieve function user A terminates the multi-party call with C.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User B is clearing the A-B Active call. After the completion of the Retrieve function with a FACILITY message with a transaction identifier corresponding to any call in the MPTY, user A terminates the multi-party call.	

UU___xxSSMPTY07	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User C is clearing the MPTY held call. User B is clearing the A-B Active call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User C is clearing the MPTY held call. User B is clearing the A-B Active call.	

UU___xxSSMPTY08	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). User A invokes the MPTY service and join the single active call and the held MPTY together. User A is terminating the entire multi party call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	User A calls user B. After call establishment user A initiates call hold. Then user A calls user C. After call establishment user A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes all his calls to be connected together in a multi party call. To separate the remote user B from the MPTY, the served mobile will send a SplitMPTY message to the network. The network will send normal CallOnHold notifications to the remote parties on hold in the MPTY call. User A invokes the MPTY service by sending a FACILITY message to the network containing the BuildMTPY request which indicates to the network that the mobile subscriber wishes to join the single active call and the held MPTY together in a multi party call. User A is terminating the entire multi party call.	

UU___xxSSMPTY09	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVEñHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User A is terminating the multi party call. User B is clearing the Active-Held call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSMPTY10	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and create a private communication between A and B. The multi-party call is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD-REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user A is clearing the A-B connection.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSMPTY11	**PLMN ref. to:** TS 122 084 TS 123 084	
TSSreference:	UMTS-UMTS/Supplementary_services/MPTY	
PLMN selection criteria orign.:	MPTY	
PLMN selection criteria term.:	MPTY	
Test purpose:	User A is in network N1. User B and user C are in network N2. Ensure that the user A can establish a MPTY call to user B and user C and separate the remote user C from the multi-party call which is placed on hold (A-B ACTIVE/MPTY HELD). After initiating of call hold, the call A-B has an ACTIVE ñHOLD- REQUEST connection. After the completion of the Retrieve function concerning the MPTY call, the MPTY call is an active connection (A-C) and the A-B call has an Active-Held connection. (A-B HELD/MPTY ACTIVE). User C is terminating the multi party call. After the completion of the Retrieve function concerning the A-B Active-Held call, user B is clearing the A-B connection.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCBS01	**PLMN ref. to:** TS 123 088	
TSSreference:	UMTS-UMTS/Supplementary_services/Call barring service	
PLMN selection criteria orign.:	The calling user activates Barring of Outgoing international	
PLMN selection criteria term.:		
Test purpose:	The calling user activates Barring of Outgoing international Calls except those to the home PLMN country (BOIC-exHC). The user is roaming outside the home PLMN country. Barring of Outgoing international Calls except those to the home PLMN country is supported by the PLMN in which the served mobile subscriber currently roams. Ensure that when the calling user activates Barring of Outgoing International Calls except those to the home PLMN country (BOIC-exHC) and the user is roaming outside the home PLMN country, call establishment to the home PLMN country is successful.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCBS02	**PLMN ref. to:** TS 123 088	
TSSreference:	UMTS-UMTS/Supplementary_services/Call barring service	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The PLMN supports barring of all incoming calls (BAIC).	
Test purpose:	Ensure that when the called user activates barring of all incoming calls, call establishment is not possible. The calling user receives a FACILITY IE (Invoke =NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSSCBS03	**PLMN ref. to:** TS 123 088	
TSSreference:	UMTS-UMTS/Supplementary_services/Call barring service	
PLMN selection criteria orign.:		
PLMN selection criteria term.:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country.	
Test purpose:	The Network B supports barring of all incoming calls (BAIC) and barring of incoming calls when roaming outside the home PLMN country (BIC-Roam). The MS is roaming outside the home PLMN country. Ensure that when the called user activates barring of incoming calls when roaming outside the home PLMN country was already activated, barring of incoming calls when roaming outside the home PLMN country will be deactivated and barring of all incoming calls will be activated. Call establishment is not possible The calling user receives a FACILITY IE (Invoke=NotifySS(SS-Code, SS-Status)) in a clearing message.	
PLMN parameter values orign.:	GSM-BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSSCCBS01	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	


MS A
NETWORK
SETUP
(Bearer capability, CC capabilities, Called party BCD number)
DISCONNECT
((Cause #17 (User Busy)/Cause #34 (no circuit/channel available)), diagnostic = CCBSPossible,
allowed actions = CCBS Possible)
RELEASE
Facility (Invoke = AccessRegisterCCEntry)
RELEASE COMPLETE
Facility (Return Result (CCBS Index, AddressOfB, Sub_AddressOfB, BasicServiceCode)) (See Note 5)
NETWORK
RR CONNECTION ESTABLISHED
CM SERVICE PROMPT
START CC
CC ESTABLISHMENT
(Setup container)
CC ESTABLISHMENT CONFIRMED
(BC"(s)),

RECALL

< -

Facility (Invoke = NotifySS(SS - Code = CCBS, CCBS index, AddressOfB, Sub_AddressOfB, BasicServiceCode, Alerting Pattern))

SETUP

- >

UU___xxSSCCBS02	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that MS A can establish a successful CCBS call setup.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID GSM - LLC=G_LLC_ID GSM - HLC=G_HLC_ID Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. G_BC_ID_CONT G_LLC_ID_CONT G_HLC_ID_CONT Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the CC ESTABLISHMENT CONFIRMED message G_BC_ID_CC_E_C G_LLC_ID_CC_E_C G_HLC_ID_CC_E_C	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, the network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01.	

Values for test purpose UI___xxSSCCBS02	
VA_01	GSM - BC = speech G_BC_ID_CONT = speech G_BC_ID_CC_E_C = speech G_HLC_ID_CC_E_C= telephony
VA_02	GSM - BC = speech GSM - HLC= telephony G_BC_ID_CONT = speech G_HLC_ID_CONT= telephony G_BC_ID_CC_E_C = speech G_LLC_ID_CC_E_C = 3,1 kHz audio G_HLC_ID_CC_E_C= telephony
VA_03	GSM-BC=3,1kHz audio ex PLMN G_BC_ID_CONT = 3,1 kHz audio ex PLMN G_BC_ID_CC_E_C = 3,1 kHz audio ex PLMN G_LLC_ID_CC_E_C= 3,1 kHz audio ex PLMN
VA_04	GSM - BC = facsimile G3 G_BC_ID_CONT = facsimile G3 G_BC_ID_CC_E_C = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3
VA_05	GSM - BC = facsimile G3 G_HLC = Facsimile G2/G3 G_BC_ID_CONT = facsimile G3 G_HLC_ID_CC_E_C = Facsimile G2/G3 G_BC_ID_CC_E_C = facsimile G3

UU___xxSSCCBS03	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall message was received and the CCBS Call set-up was sent) and when user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a ALERTING message the MS A receives an ALERTING message. Normal call handling continues.	

UU___xxSSCCBS04	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that the MS A in the call proceeding call state (the CCBS Recall was is received and the CCBS Call set-up was sent) and when user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	
PLMN parameter values orign.:	BC=I_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. When destination **B becomes free** the network shall offer subscriber A the option of recalling destination B. The network shall prompt MS A to allocate a Transaction Identifier (TI) and establish the CC connection by sending a CM SERVICE PROMPT message. MS A establishes the CC connection by sending a START CC message to the network. The network shall then send a CC ESTABLISHMENT message to MS A which shall include the Setup container. The MS is **not modifying** the Bearer Capability (BC), High Level Compatibility (HLC) and Low Level Compatibility (LLC) information within the Setup container. The MS A sends a CC ESTABLISHMENT CONFIRMED message to the network. Once the network has received the CC ESTABLISHMENT CONFIRMED message it shall send a RECALL message to MS A, which contains information to be presented to the subscriber. The subscriber A accepting the CCBS recall, the MS A shall establish a new call with the SETUP message. MSC A shall maintain the RR connection with MS A throughout the time when acceptance of the CCBS Recall is possible. Once the SETUP message is received, the network moves to call state N01. When user B has responded to the call with a CONNECT message the MS A receives an CONNECT message. Normal call handling continues.	

UU___xxSSCCBS05	**PLMN ref. to:** EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and release the existing call.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCCBS06	**PLMN ref. to:** EN 300 646, clause 6.1.1.14	
TSSreference:	ISDN-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is not idle.	
Test purpose:	If a CCBS Recall is offered to MS A and MS A is not idle, subscriber A should accept the CCBS Recall and put the existing call on hold.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCCBS07	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.3	
TSSreference:	UMTS-ISDN/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state) the user can deactivate a specific CCBS request	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:	The network N1 in the Disconnect Indication call state N12 (sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions= CCBSPossible) on receipt of a RELEASE message with a FACILITY information element indicating CCBSRequest invoke component including the AccessRegisterCCEntry, The network sends a RELEASE COMPLETE message containing a Facility information element with a CCBS Request return result component including the CCBS Index and optionally the AdressOfB, SubAddressOfB and the BasicServiceCode. To desactivate the CCBS request MS A shall send a REUISTER message, with the Facility information element, indicating EraseCCEntry.	

UU___xxSSCCBS08	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.4	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the network A sending a DISCONNECT message to MS A with a diagnostic field indicating CCBS possible, allowed actions = CCBSPossible (CCBS Activated state). The user can deactivate outstanding CCBS requests.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSSCCBS09	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

UU___xxSSCCBS10	**PLMN ref. to:** EN 300 646, clause 6.1.1.14 TS 124 093, clause 4.2	
TSSreference:	UMTS-UMTS/Supplementary_services/CCBS	
PLMN selection criteria orign.:	DLE is supporting the CCBS supplementary service	
PLMN selection criteria term.:	OLE is supporting the CCBS supplementary service. MS A is idle.	
Test purpose:	Ensure that when the subscriber A explicitly rejects the CCBS Recall The MS sends a RELEASE COMPLETE message.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:	When CCBS is allowed the network shall give subscriber A the option of activating a CCBS Request. The network shall send a DISCONNECT message to MS A (cause #17 (User Busy) or cause #34 (no circuit/channel available)) with diagnostic field indicating CCBS is Possible and allowed actions indicating CCBS is Possible. The network starts the retention timer T1 when it sends the DISCONNECT message. If the subscriber A does not accept CCBS activation, the MS shall send normal RELEASE message and the network shall stop T1 and continue normal call clearing. If the timer T1 expires before the RELEASE message is received from the MS, the network shall continue normal call clearing.	

Interactions

U___xxSICFU_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" = **Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFUB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channel is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSSCFU_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 1 TS 123 082, clause 1	
TSSreference:	UMTS-UMTS/Supplementary_services/CFU/UU xxSSCFU02	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 provided with CFU("calling user is notified of call diversion" **= No**). User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFU,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFUactive **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFB_CLIP _COLP01	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB - **NDUB** ("calling user is notified of call diversion" = **Yes;** "notification to forwarding subscriber" **= Yes**). User C is provided with CLIP	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFB - NDUB active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFB_CLIP _COLP02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB - **NDUB** ("calling user is notified of call diversion" **= No**; "notification to forwarding subscriber" **= No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFB - NDUB active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFNRy_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" = **Yes**, "notification to forwarding subscriber" **= Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFNR, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC= G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM - BC= G_BC_ID	
Comments:		

UU___xxSSCFNRy_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRy	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRy ("calling user is notified of call diversion" **= No** "notification to forwarding subscriber" **= No**) User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRy active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFNRc_CLIP_COLP01	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	User A is provided with CLIP and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" = **Yes**). User C is provided with CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached, the call is forwarded to user C. User **A** is notified of call diversion with a FACILITY (Invoke =NotifySS[CFU, SS-Notification]) message, and the presentation of the diverted-to number is allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user the Calling party number information element is correctly delivered to the called user C. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user detached **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFNRc_CLIP_COLP02	**PLMN ref. to:** TS 124 082, clause 3 TS 123 082, clause 3	
TSSreference:	UMTS-UMTS/Supplementary_services/CFNRc	
PLMN selection criteria orign.:	User A is provided with CLIR and COLP.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFNRc ("calling user is notified of call diversion" **= No**). User C is provided with COLR and CLIP.	
Test purpose:	Ensure that when user A calls user B, if detached the call is forwarded to user C. User **A** is not notified of call diversion and the presentation of the diverted-to number is **not** allowed accordance with the COLR supplementary service of the diverted-to user. User **B** is notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFNR,SS-Notification]) of call diversion. Ensure that when the Calling party number is provided by the calling user, the Calling party number information element is delivered to the called user without any digit information. Ensure that in the call delivered state (N4) the transfer of tone on the B-channel is performed correctly if tones/announcement are applied. Ensure that in the active call state (N10) the voice/data transfer on the B-channels is performed correctly.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	CFNRc active, the user is detached **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICUG_CFU 01	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belongs to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C has the following CUG supplementary options: **not IA, not ICB**	
Test purpose:	Ensure that a call establishment is successful.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSICUG_CFU 02	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: not **OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSICUG_CFU 03	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **not OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG** User B is provided with CFUand has an active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSICUG_CFU 04	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B belongs to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFU and has active call forwarding to C. User C is not member of CUG.	
Test purpose:	Ensure that a call establishment is not successful. The network initiate call clearing to the calling user A with cause value #87 "user not member of CUG".	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:		
Comments:		

UU___xxSICUG_CFU 05	**PLMN ref. to:** TS 122 085	
TSSreference:	UMTS-UMTS/Supplementary_services/CUG_CFU	
PLMN selection criteria orign.:	User A belongs to a CUG with the following CUG supplementary options: **OA; not ocb; not Pref. CUG.**	
PLMN selection criteria term.:	User B and C belong to the same CUG. User B has the following CUG supplementary options: **not OA; not ocb; not Pref. CUG**. User B is provided with CFUand has active call forwarding to C.	
Test purpose:	Ensure that a call establishment is successful but the OA indicator in not provided to C.	
PLMN parameter values orign.:	GSM - BC = G_BC_ID	
PLMN parameter values term.:	GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFB_CW0 1	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB_CW	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" = **Yes**;) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** is notified with a FACILITY (Invoke =NotifySS[CFB, SS-Notification]) message, user **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	**B:** CFB - UDUB, CW active **C: ?** GSM - BC = G_BC_ID	
Comments:		

UU___xxSICFB_CW02	**PLMN ref. to:** TS 124 082, clause 2 TS 123 082, clause 2	
TSSreference:	UMTS-UMTS/Supplementary_services/CFB_CW	
PLMN selection criteria orign.:	The user A and the user C are in network N1.	
PLMN selection criteria term.:	The user B is in network N2 and is provided with CFB ("calling user is notified of call diversion" **= No**) and CW.	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C. User **A** and **B** are not notified of call diversion. User **C** is notified with a FACILITY IE (Invoke =NotifySS[CFB,SS-Notification]) of call diversion.	
PLMN parameter values orign.:	**A: !** GSM - BC = G_BC_ID	
PLMN parameter values term.:	**B:** CFB - UDUB, CW active **C: ?** GSM - BC = G_BC_ID	
Comments:		

7.7.3 Short message service

7.7.3.1 Short message service point to point on CS mode

UU___PP__CS_01	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are in the Idle state.	
PLMN parameter values orign.:	GSM - TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS= Short Message MT ñ PP	
Comments:		

UU___PP__CS_02	PLMN ref. to: TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Idle call state whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	MO The MS A shall be in MM-state "Idle, updated". The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUUer, the SS sends a SM to MS A. MT The MS B shall be in MM-state "Idle, updated". Mobile terminates establishment of Radio Resource Connection. After the completion of RRC ConnectionSSauthenticates MS B. After theSSreceives SECURITY MODE COMPLETE, the SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to MS B within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_03	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B when both the MSs are involved in an active call (Active State).	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:		

UU___PP__CS_04	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify that the MS A is capable of simultaneously receiving a network originated SM in the Active State N10 whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N10 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUUer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N10 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_05	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 04) Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	**MO** The MS A shall be in MM-state "Idle, updated". A data or speech call is established with the SS and the state N04 of call control is entered. The MS A is setup to send an SM to the SS. After the reception of the CM SERVICE REQUEST, the SS sends a CM SERVICE ACCEPT message. The SS responds to the CP-DATA containing RP-DATA RPDU(SMS SUBMIT TPDU) from the MS A with a CP-ACK message within TC1M followed by a CP-DATA message containing the correct RP-ACK RPDU. The SS waits a maximum of 25 seconds for the CP-ACK message. Then the SS sends a channel release message to the UE. Using the end of the CP-DATA message from the UE as a triUUer, the SS sends a SM to MS A. **MT** The MS B shall be in MM-state "Idle, updated". A data or speech call is established on a DTCH with the SS and the state N04 of call control is entered. The SS sends a CP-DATA message. The information element of the CP-DATA message will be RP-DATA RPDU(SMS DELIVER TPDU). The SS sends a CP-ACK to the UE within TC1M with no further CP-DATA messages and the SS initiates RRC Connection release For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_06	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both the MSs are involved in an active call (Active State N 10) Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS= Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS= Short Message MT ñ PP	
Comments:		

UU___PP__CS_07	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the **Idle state**. The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same or several MM connection..	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_08	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when both the MSs are in the **Idle state**. The test also verifies that the MS A is able to correctly send and MS B is able to correctly receive multiple short messages on the same MM connection when using a DCCH.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_09	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both MSs involved are in the **Active call state**. The test also verifies that MS A is able to correctly send and MS B to receive multiple short messages on the same or several MM connection.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The call clearing is continued in parallel to the following exchange of messages related to SMS. SMS messages are stored in the USIM and/or the ME. For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_10	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when both MSs involved are in the **Active call state**. The test also verifies that MS A is able to correctly send and MS B to receive multiple short messages on the same MM connection.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The call clearing is continued in parallel to the following exchange of messages related to SMS. SMS messages are stored in the USIM and/or the ME. For the mobile originated short message is used the Maximum length (characters)	

UU___PP__CS_11	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer from a MS-A to MS-B. MS-A is in Idle state, MS-B is detached. Verify that when MS-B becomes reachable, it shall receive the Short Message from the network.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	MS-B is detached when the Short Message is sent.	

UU___PP__CS_12	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	SMS transfer on a MS-A to MS-B. MS-A and MS-B are in Idle state. When the network tries to send a SMS, MS B will signal that no storage is available. Verify that when MS B signals that storage is available the network will send queued SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	The SIM Card memory of MS-B is full when the Short Message is sent.	

7.7.3.2 Short message service point to point on PS mode

UU___PP__PS_01	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service a when both the MSs are in the Idle state. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

UU___PP__PS_02	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A a to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that the MS A is capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM. Verify also the ability that MS B can receive and decode the SMS.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

UU___PP__PS_03	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the SMS Transfer from MS A to MS B for the point to point service when a PDP context is in progress in both involved MSs. Verify that MS A and MS B are capable of simultaneously receiving a network originated SM whilst sending a mobile originated SM.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

UU___PP__PS_04	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verifies the ability of sending and receiving of multiple short messages when both the MSs are in the Idle state.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

UU___PP__PS_05	**PLMN ref. to:** TS 124 011	
TSSreference:	UMTS-UMTS/Basic_call/Successful/Short_message	
PLMN selection criteria orign.:	SMS	
PLMN selection criteria term.	SMS	
Test purpose:	Verify the ability of sending and receiving of multiple short messages when a PDP context is in progress.	
PLMN parameter values orign.:	GSM - TS = Short Message MO ñ PP	
PLMN parameter values term.:	GSM - TS = Short Message MT ñ PP	
Comments:	For the mobile originated short message is used the Maximum length (characters)	

7.7.3.3 Short message service cell broadcast

UUU____CB__01	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM ñ UMTS/Short_message	
PLMN selection criteria orign.:		
PLMN selection criteria term.	SMS - CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM - state "Idle, updated".	
PLMN parameter values orign.:		
PLMN parameter values term.:	GSM - TS = Short Message MT ñ CB	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH The network has to be cofiUUrated to send an SMS CB with defined text on a defined channel.	

UUU___CB__02	**PLMN ref. to:** TS 124 011	
TSSreference:	GSM ñ UMTS/Short_message	
PLMN selection criteria orign.:		
PLMN selection criteria term.	SMS - CB	
Test purpose:	Verify that the SMS CB is Transfered to MS A in MM-state "active state".	
PLMN parameter values orign.:		
PLMN parameter values term.:	GSM - TS = Short Message MT ñ CB	
Comments:	Three Cell Broadcast (CB) messages are sent by theSSon the CBCH The network has to be cofiUUrated to send an SMS CB with defined text on a defined channel.	

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ETSI TS 123 072: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); Call Deflection Supplementary Service; Stage 2 (3GPP TS 23.072 version 5.0.0 Release 5)".

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ETSI TS 123 086: " Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS);Advice of Charge (AoC) Supplementary Service; Stage 2 (3GPP TS 23.086 version 5.0.0 Release 5)".

ETSI TS 123 091: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) Supplementary Service; Stage 2 (3GPP TS 23.091 version 5.0.0 Release 5)".

ETSI TS 123 093: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 (3GPP TS 23.093 version 5.0.0 Release 5)".

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ETSI TS 124 091: "Digital cellular telecommunications system (Phase 2 +); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) Supplementary Service; Stage 3 (3GPP TS 24.091 version 5.0.0 Release 5)".

History

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