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Technical Specification

**Access and Terminals (AT);
Sub-set of ETS 300 400 series requirements for ISDN testing**



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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Access and Terminals (AT).

The present document results from comments received from AT#3 and #4 meetings.

1 Scope

The present document will identify a sub-set of the ETS 300 402-6 and ETS 300 403-4 requirements based upon the frame-work of TBR 003 [1] and TBR 004 [3]. These can be used during ISDN testing to demonstrate equivalence with the TBR essential requirements.

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 TBR 003: "Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN basic access".
- [2] ETSI TBR 003/A1: "Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN basic access".
- [3] ETSI TBR 004: "Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN primary rate access".
- [4] ETSI TBR 004/A1: "Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN primary rate access".
- [5] ETSI ETS 300 402-6: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Data link layer; Part 6: Test Suite Structure and Test Purposes (TSS&TP) specification for the general protocol".
- [6] ETSI ETS 300 402-2: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Data link layer; Part 2: General protocol specification [ITU-T Recommendation Q.921 (1993), modified]".
- [7] ETSI ETS 300 403-4: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 4: Test Suite Structure and Test Purposes (TSS&TP) specification for the user".

3 Definitions and abbreviations

For the purposes of the present document, the definitions and abbreviations given in TBR 003 [1], TBR 004 [3], ETS 300 402-6 [5] and ETS 300 403-4 [7] apply.

4 Sub-set of the ETS 300 402-6 and ETS 300 403-4 requirements

4.1 Issue under consideration

The recent change of the regulatory regime in Europe determined a significant modification in the legal status, and therefore, in the formal dimension of TBRs. Notwithstanding this, the value of the technical content of TBRs has a significant global dimension being referenced directly or indirectly in many documents.

The following two tables in clauses 4.2 and 4.3 detail the tests from ETS 300 402-6 and ETS 300 403-4 which demonstrate equivalence with the TBR 003 [1] and TBR 004 [3] essential requirements. Where no equivalent test in ETS 300 402-6 or ETS 300 403-4 can be found, the TBR 003 [1] or TBR 004 [3] test case is referenced only.

These essential requirements only deal with the User aspects of ETS 300 402-6 and ETS 300 403-4 as this is in accordance with the scope of TBR 003 [1] and TBR 004 [3], which are the attachment requirements for terminal equipment.

The present document only deal with the Layer 2 and 3 essential requirements since these are the only two layers which ETS 300 402-6 and ETS 300 403-4 make reference to.

The present document can be used for a Terminal equipment designed to ETS 300 125 and ETS 300 102 (see bibliography) or ETS 300 402-6 and ETS 300 403-4 to demonstrate compliance with the TBR 003 [1] and TBR 004 [3] essential requirements.

As issues are found with the particular Test purposes detailed in the present document it is intended that these Observations are detailed in clause 4.4 so that they may be taken into account in the future.

4.2 Sub-set of the ETS 300 402-6 requirements based upon the frame-work of TBR 003 and TBR 004

Table 1: ETS 300 402-6 [5] Layer management and Data control - User

ATS reference	Requirement from TBR 003/TBR 004	Description from TBR 003/TBR 004	Test case identifier from TBR 003/TBR 004	Notes
L2U_L10_I_1	10.4.2	To ensure that the IUT when in state 1 discards an incoming UI frame with TEI value different from 127	TC11013	
None	10.5.2.1	To ensure that the IUT when in state 3 ignores a TEI denied frame.	TC13008	See clause 4.4.1.
L2U_L30_C_1	10.5.2.1	To check that the IUT transmits an ID-request at least N202 times when there is no response from the network during the TEI assignment procedure.	TC13010	
L2U_L30_V_2	10.5.2	To ensure that the IUT when in state 3 ignores an ID assign message containing a RI different from the one transmitted in the ID request message	TC13014	
L2U_L40_V_4	10.4.1, 10.4.2 10.5.3.2	To ensure that the IUT will perform TEI check on request from the network.	TC14001	
L2U_L40_V_5	10.5.3.2	To ensure that the IUT sends a CHECK RESPONSE on receipt of a CHECK REQUEST with AI equal to own TEI value and remains in state 4.	TC14002	
None	10.6.1.2	To test the normal initialization of multiple frame operation initiated by the IUT.	TC24004	
L2U_L40_I_8	10.9.2	To ensure that the IUT when in state 4 takes no action on receipt of a SABME frame containing a TEI different from the TEI assigned to the IUT.	TC24020	
L2C_D50_V_2	10.6.1.2	To ensure that the IUT takes appropriate actions if the link cannot be initialized and enters state 4.	TC25002	
L2U_L50_C_1 or L2U_L50_C_2	10.6.1.3	Ensure that the IUT when in state 5 and receive no response from the network, retransmits SABME at least N200 times.	TC25005	See note.
L2C_D70_V_18	10.7.1, 10.7.2, 10.7.2.2, 10.7.3	To test the operation layer 2 sequence numbering Normal information transfer.	TC27003	
L2C_D70_V_19	10.7.3	To test the IUT correctly accepts an I frame as a valid response to an I frame which it has transmitted.	TC27004	
L2C_D70_V_12	10.7.4, 10.7.5.4	To ensure that the IUT when in state 7.0 and an I-frame is outstanding, and the IUT receives a REJ F=0 indicating request of retransmission of last transmitted I-frame, retransmits the requested I-frame.	TC27011	
L2C_D70_V_5	10.6.2	To test the normal data link disconnection sequences.	TC27012	
L2C_D80_V_3	10.7.6	To test that the layer 2 retransmits the last transmitted I frame at least twice or transmits an RR command at least twice if no acknowledgement for the last transmitted I-frame is received.	TC27015	
None	10.7.6	To test IUT recovery mechanism in the event of RR frame loss.	TC27019	
L2C_D70_I_1	10.8	To ensure that the IUT when in state 7.0 and an I-frame is outstanding and the IUT receives no acknowledgement for the outstanding I- frame, will either retransmit the I frame or transmit an RR P=1 at expiry of T200.	TC27022	

ATS reference	Requirement from TBR 003/TBR 004	Description from TBR 003/TBR 004	Test case identifier from TBR 003/TBR 004	Notes
L2C_D70_I_25	10.9.1	To ensure that the IUT when in state 7.0 and receiving an I-frame P=1 and N(S) error transmits a REJ F=1.	TC27027	
L2C_D70_I_26	10.9.1	To ensure that the IUT when in state 7.0 and receiving an I-frame P=0 and N(S) error transmits a REJ F=0.	TC27028	
L2U_L70_I_2	10.5.4.2, 10.5.5.2, 10.9.4	To Ensure that the IUT when in state 7.0 and receiving an UA F=1, initiates TEI removal or TEI verify procedure	TC27031	
L2C_D70_I_13	10.9.3	To ensure that the IUT resets the data link on receipt of a RR command frame with a N(R) error.	TC27040	
L2C_D70_I_15	10.9.3	To ensure that the IUT resets the data link on receipt of a RR response frame with F=1 and a N(R) error.	TC27043	
L2C_D70_I_14	10.9.3	To ensure that the IUT resets the data link on receipt of a RR response frame with F=0 and a N(R) error	TC27046	
L2C_D70_S_8	10.9.2	To ensure that the IUT ignores a frame containing FCS error.	TC27058	
L2C_D70OI_V_4	10.7.3	To ensure that the terminal restarts timer T200 upon receipt of an acknowledgement while there are still outstanding I-frames unacknowledged	TC27061	
L2C_D70OI_V_7	10.7.3	To ensure that the IUT retransmits the appropriate I frame on receipt of a REJ frame.	TC27074	
L2C_D70OI_V_1	10.7.3	To ensure that simultaneous acknowledgement of more than one frame is allowed	TC27075	
L2C_D70_V_9	10.7.1	To ensure that the maximum number of unacknowledged I-frames equals K (=7)	TC27076	
L2C_D74_V_13	10.7.5	To ensure correct Handling of peer busy conditions. No I frame is to be received from the IUT during busy condition.	TC27404	
L2C_D84_T_1	10.7.5, 10.7.6	To ensure the correct value of N200.	TC27411	
L2C_D74_V_2	10.7.5	To ensure that the IUT when in state 7.4 and receiving an RR P=1 frame transmits an RR F=1 and enters state 7.0.	TC27412	
L2C_D74_V_3	10.7.5	To ensure that the IUT when in state 7.4 and receiving an RR F=0 frame enters state 7.0.	TC27413	
L2C_D74_V_8	10.7.5	To ensure that the IUT when in state 7.4 and receiving a RNR P=1 frame transmits an RR F=1 and remains in state 7.4.	TC27414	
L2C_D74_T_10	10.7.5, 10.7.6	To ensure T200 is within the allowed tolerance of its value.	TC27417	
L2C_D80_V_5	10.7.4, 10.7.6	To ensure that on receipt of a REJ F=1 during the timer recovery condition the IUT retransmits the appropriate I frame.	TC28005	
L2C_D80_I_9	10.7.2	To ensure that when in the timer recovery state the IUT is able to receive I frames.	TC28012	
L2C_D74_V_12	10.7.1, 10.7.2	To ensure that when in 8.4 the IUT is able to receive I frames.	TC28406	
L2C_D84_I_13	10.7.4	To ensure that the IUT when in state 8.4 and receiving a REJ P=1 frame not acknowledging the last transmitted I-frame, transmits an RR F=1 and enters state 8.0.	TC28424	

NOTE: The measurement of N200 is performed in L2U_L50_C_1 and L2U_L50_C_2. However, these ETS 300 402-6 Tests only allow for the end State to be 1 or 4 where as TBR 003 and TBR 004 Test case TC25005 allows for 1, 4 or 7.

4.3 Sub-set of the ETS 300 403-4 requirements based upon the frame-work of TBR 003 and TBR 004

Table 2: ETS 300 403-4 [7] - User

ATS reference	Requirement from TBR 003/TBR 004	Description from TBR 003/TBR 4	Test case identifier from TBR 003/TBR 004	Observations
INCOMING CALL HANDLING TESTS STATE U00				
L3U_U00_I_003	11.4.6.2(c)	Ensure that on receipt of a REL PDU, the IUT responds with REL_COM PDU and remains in the same state.	TC10002	
L3U_U00_I_007	11.4.6.8(a)	Ensure that on receipt of a STATUS PDU indicating any state except the null state, the IUT responds with either a REL or REL_COM PDU with the cause #101.	TC10004	
L3U_U00_V_001	11.4.2.1, 11.4.2.4, 11.4.2.5.1	Ensure that on receipt of a valid SETUP without the sending complete IE the IUT responds with either SETUP_ACK, CALL_PROC, ALERT or CONN PDU and moves to the relevant state 25, 9, 7 or 8.	TC10005	
L3U_U00_V_002	11.4.2.1, 11.4.2.5.1	Ensure that on receipt of a valid SETUP PDU with the sending complete IE the IUT responds with either a CALL_PROC, ALERT or CONN PDU and moves to the relevant state 9, 7 or 8.	TC10006	
L3U_U00_V_013 and L3U_U00_V_014	11.4.2.2	Ensure that on receipt of a valid SETUP PDU containing an incompatible Bearer Capability IE (mandatory parameter) the IUT: -responds by sending a REL_COM PDU or ignore the SETUP PDU /PTMP - responds by sending a REL_COM PDU /PTP	TC10008	
L3U_U00_V_015 and L3U_U00_V_016	11.4.2.2.1	Ensure that on receipt of a valid SETUP PDU containing an incompatible High Layer Compatibility IE (optional parameter) the IUT: -responds by sending a REL_COM PDU or ignore the SETUP PDU /PTMP -responds by sending a REL_COM PDU/PTP	TC10009	
L3U_U00_I_002	11.4.6.2(a)	Ensure that the IUT responds to an inopportune PDU (DISC) with a REL PDU or REL_COM PDU.	TC10010	
None	11.4.6.2(d)	Ensure that on receipt of a repeated valid SETUP with the same call reference as the initial SETUP, the IUT ignores the second SETUP and remains in the same state.	TC10011	See note 1.
L3U_U00_S_008	11.4.6.5.1	Ensure that on receipt of a SETUP without a mandatory IE the IUT responds with a REL_COM PDU and remains in the same state.	TC10015	
L3U_U00_I_011	11.4.6.4	Ensure that on receipt of a PDU with invalid duplicated IE, the IUT ignores the invalid duplication and processes the remaining contents of the PDU as valid.	TC10024	
L3U_U00_S_010	11.4.6.6.1	Ensure that the IUT responds to the receipt of a SETUP PDU with unrecognized optional IE coded "comprehension required" by sending a REL_COM PDU and remains in the same state.	TC10027	

L3U_U00_S_011	11.4.6.6.1	Ensure that the IUT on receipt of a compatible SETUP PDU with all the mandatory information correctly coded and an unrecognized optional IE with comprehension not required responds with a STATUS PDU (optional) followed by either a SETUP_ACK, CALL_PROC, ALERT or CONN PDU and moves to the relevant state 25, 9, 7 or 8.	TC10028	
L3U_U00_S_012	11.4.6.6.2	Ensure that the IUT on receipt of a SETUP PDU with non mandatory IE content error the IUT processes the PDU and its remaining contents as valid and optionally sense a STATUS PDU with cause value 100.	TC10029	
L3U_U00_A_001	11.4.4.4	Ensure that on sending of a RESUME PDU the IUT enters the Resume Request state U17.	TC20001	
L3U_U00_A_003	11.4.1.1	Ensure that the IUT transmits a valid SETUP and enters the Call Initiated state U1.	TC20002	
CALL INITIATED STATE TESTS, STATE 1				
L3U_U01_V_001	11.4.1.3.1	Ensure that on receipt of a CALL_PROC PDU the IUT enters the state U3.	TC10101	
L3U_U01_I_007	11.4.6.3	Ensure that on receipt of a REL_COM PDU the IUT does not respond but returns to the state U0.	TC10102	
L3U_U01_I_006	11.4.6.3	Ensure that on receipt of a REL PDU the IUT responds with a REL_COM PDU and enters the state U0.	TC10103	
L3U_U01_V_002	11.4.1.2	Ensure that on receipt of a SETUP_ACK PDU the IUT enters the Overlap Sending state.	TC10104	
L3U_U01_I_010	11.4.6.8(c)	Ensure that on receipt of a STATUS PDU specifying the state U0, the IUT enters the state U0.	TC10105	
L3U_U01_I_005	11.4.6.3	Ensure that the IUT responds to an inopportune PDU with a STATUS PDU with cause value 98 or 101, or ST_ENQ PDU and remains in the same state.	TC10107	
L3U_U01_S_005	11.4.6.3	Ensure that the IUT responds to a syntactically invalid message type with a STATUS PDU with cause value 98 or 101, or ST_ENQ PDU and remains in the same state.	TC10120	
None	11.4.6.2(c)	Ensure that on receipt of a REL_COM PDU the IUT does not respond and remains in the same state.	TC10125	See note 2.
OVERLAP SENDING STATE TESTS, STATE 2				
L3U_U02_V_002	11.4.1.4	Ensure that on receipt of an ALERT PDU the IUT enters the State U4.	TC10201	
L3U_U02_V_003	11.4.1.5	Ensure that on receipt of a CONN PDU the IUT enters the state U10.	TC10202	
L3U_U02_V_001	11.4.1.3.2	Ensure that on receipt of a CALL_PROC PDU the IUT enters the state U3.	TC10203	
L3U_U02_V_007	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a RELEASE PDU and enters the Release Request state U19.	TC10204	
L3U_U02_A_001	11.4.3.3	Ensure that the IUT transmits a DISC PDU and enters the Disconnect Request state.	TC20203	
L3U_U02_A_002	11.4.1.2	Ensure that the IUT transmits an INFO PDU and remains in the same state.	TC20204	

OUTGOING CALL PROCEEDING STATE TESTS, STATE 3				
L3U_U03_V_001	11.4.1.4	Ensure that on receipt of an ALERT PDU the IUT enters the state U4.	TC10301	
L3U_U03_V_002	11.4.1.5	Ensure that on receipt of a CONN PDU the IUT enters the state U10.	TC10302	
L3U_U03_V_006	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC10303	
L3U_U03_A_001	11.4.3.3	Ensure that the IUT transmits a DISC PDU and enters the Disconnect Request state.	TC20301	
CALL DELIVERED STATE TESTS, STATE 4				
L3U_U04_V_001	11.4.1.5	Ensure that on receipt of a CONN PDU the IUT enters the state U10.	TC10401	
L3U_U04_V_005	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC10402	
L3U_U04_A_001	11.4.3.3	Ensure that the IUT transmits a DISC PDU and enters the state U11.	TC20401	
CALL RECEIVED STATE TESTS, STATE 7				
L3U_U07_V_003	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC10701	
CONNECT REQUEST STATE TESTS, STATE 8				
L3U_U08_V_001	11.4.2.7	Ensure that the IUT will enter the state U10 on receipt of a CONN_ACK PDU.	TC10801	
L3U_U08_V_004	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC10802	
L3U_U08_I_007	11.4.2.8 11.4.6.3	Ensure that on receipt of a REL PDU the IUT responds with a REL_COM PDU and enters the state U0.	TC10805	
INCOMING CALL PROCEEDING STATE TESTS, STATE 9				
L3U_U09_V_003	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC10901	
ACTIVE STATE TESTS, STATE 10				
L3U_U10I_V_004	11.4.7	Ensure that on receipt of a NOTIFY PDU the IUT does not respond and remains in the same state.	TC11003	
L3U_U10I_I_008	11.4.6.3	Ensure that on receipt of a REL_COM PDU the IUT does not respond but returns to the null state.	TC11004	
L3U_U10I_I_007	11.4.6.3	Ensure that on receipt of a REL PDU the IUT responds with a REL_COM PDU and enters the state U0.	TC11005	
L3U_U10I_I_012	11.4.6.8(c)	Ensure that on receipt of a STATUS PDU specifying the state U0, the IUT enters the state U0.	TC11007	
L3U_U10I_I_006	11.4.6.3	Ensure that the IUT responds to an inopportune CONN PDU with a STATUS PDU with the cause 98 or 100 or with a ST_ENQ and remains in the same state.	TC11008	
L3U_U10I_S_005	11.4.6.3	Ensure that the IUT responds to a syntactically invalid message type with a STATUS PDU with the cause 98 or 97 and that no change of state occurs.	TC11021	
L3U_U19I_V_004	11.5	Ensure timer T308 is within the range 3 s to 15 s.	TC21001	
L3U_U100_A_001	11.4.3.3	Ensure that the IUT transmits a DISC PDU and enters the Disconnect Request state U11.	TC21003	
L3U_U100_A_004	11.4.4.1	Ensure that on transmission of a SUSP PDU the IUT enters the Suspend Request state U15.	TC21005	
L3U_U11I_V_005	11.5	Ensure timer T305 is within the range 15 s to 45 s.	TC21006	

DISCONNECT REQUEST STATE TESTS, STATE 11				
L3U_U11O_V_002	11.4.3.5	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC11101	
L3U_U11O_V_004	11.4.7	Ensure that on receipt of a NOTIFY PDU the IUT does not respond or returns a STATUS PDU and remains in the same state.	TC11103	
L3U_U11O_V_001	11.4.3.3	Ensure that on receipt of a REL PDU the IUT responds with a REL_COM PDU and enters the state U0.	TC11105	
L3U_U11I_I_006	11.4.6.3 11.4.6.7	Ensure that the IUT responds to an inopportune PDU with a STATUS PDU with the cause 98 or 101 or with a ST_ENQ PDU and remains in the same state.	TC11107	
L3U_U11I_S_010	11.4.6.6.1	Ensure that on receipt of a REL PDU with unrecognized IE (coded comprehension not required) THE IUT sends a REL_COM PDU and enters the state U0.	TC11118	
SUSPEND REQUEST STATE TESTS, STATE 15				
L3U_U15I_V_004	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC11501	
L3U_U15I_V_006	11.4.7	Ensure that on receipt of a NOTIFY PDU the IUT does not respond or returns a STATUS PDU and remains in the same state.	TC11503	
L3U_U15I_V_001	11.4.4.2	Ensure that on receipt of a SUSP_ACK the IUT enters to the state U0.	TC11504	
L3U_U15I_V_002	11.4.4.3	Ensure that on receipt of a SUSP_REJ PDU the IUT returns to the state U10.	TC11508	
RESUME REQUEST STATE TESTS, STATE 17				
L3U_U17_V_004	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC11701	
L3U_U17_V_001	11.4.4.4	Ensure that on receipt of a RES_ACK PDU IUT returns to the state U10.	TC11703	
L3U_U17_V_002	11.4.4.5	Ensure that on receipt of a RES_REJ PDU the IUT returns to the state U0.	TC11706	
RELEASE REQUEST STATE TESTS, STATE 19				
L3U_U19I_V_001 and L3U_U19O_V_001	11.4.3.4.3	Ensure that on receipt of a REL_COM PDU the IUT does not respond but returns to the state U0.	TC11903	
L3U_U19I_V_002 and L3U_U19O_V_002	11.4.3.5	Ensure that on receipt of a REL PDU the IUT does not respond and enters the state U0. This is a test of RELEASE collision handling.	TC11904	
L3U_U19I_I_009 and L3U_U19O_I_008	11.4.6.8(c)	Ensure that on receipt of a STATUS PDU specifying the state U0, the IUT enters the state U0.	TC11906	
L3U_U19I_I_006 and L3U_U19O_I_005	11.4.6.3	Ensure that the IUT responds to an inopportune PDU with a STATUS PDU with the cause 98 or 101 or with a ST_ENQ and remains in the same state.	TC11908	
L3U_U19I_S_005 and L3U_U19O_S_005	11.4.6.3	Ensure that the IUT responds to a syntactically invalid message type with a STATUS PDU with the cause 98 or 97 or with a ST_ENQ and remains in the same state.	TC11909	

OVERLAP RECEIVING STATE TESTS, STATE 25				
L3U_U25_V_004	11.4.3.4.2	Ensure that the IUT responds to a DISC PDU with a REL PDU and enters the Release Request state U19.	TC12501	
L3U_U25_V_002	11.4.2.4, 11.4.2.5.1	Ensure that on receipt of an INFO PDU with sufficient called number information the IUT responds with either a CALL_PROC, ALERT or CONN PDU and moves to the relevant state U9, U7 or U8.	TC12503	
RESTART NULL STATE TESTS, REST 0				
L3U_R00I_V_001 and L3U_R00O_V_001	11.4.8	Ensures that on receipt of a RESTART message the specified channel is returned to the Idle condition, the Call Reference is returned to the Null state and a RESTART_ACK is sent.	TC19003	
NOTE 1: The TBR 003 [1] and TBR 004 [3] requirement 11.4.6.2(d) is tested in Call Received call state U07 in L3U_U07_I_004. Therefore the TBR 003 [1] or TBR 004 [3] Test Case TC 10011 must be used.				
NOTE 2: The TBR 003 [1] and TBR 004 [3] requirement 11.4.6.2(c) is tested in Release Request call state U19 in L3U_U19I_I_003. Therefore the TBR 003 [1] or TBR 004 [3] Test Case TC 10125 must be used.				

4.4 Observations on the tests

4.4.1 ETS 300 402-6 Test L2U_L30_V_3

The requirement in ETS 300 402-2 [6], clause 5.3.2.1 Expiry of timer T202 is that:

If the user receives either no response or an Identity denied message to its Identity request message, then on expiry of timer T202, the timer shall be restarted and the Identity request message shall be retransmitted with a new value of Ri.

However the ATS implementation (TC L2U_L30_V_3) of this requirement is that the user transmits no frame and enters the state 1 instead of transmitting the Identity request message shall be retransmitted with a new value of Ri.

Annex A (informative): Bibliography

ETSI ETS 300 125: "Integrated Services Digital Network (ISDN); User-network interface data link layer specification; Application of CCITT Recommendations Q.920/I.440 and Q.921/I.441".

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

History

Document history		
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