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Core Network and Interoperability Testing (INT);
Originating Identification Presentation (OIP) and
Originating Identification Restriction (OIR) using
IP Multimedia (IM) Core Network (CN) subsystem;
Conformance test specification
(3GPP Release 10);
Part 2: Test Suite Structure and Test Purposes (TSS&TP)

Reference
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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Core Network and Interoperability Testing (INT).

The present document is part 2 of a multi-part deliverable covering the Conformance Test Specification of Originating Identification Presentation (OIP) supplementary service and the Originating Identification Restriction (OIR) supplementary services using IP Multimedia (IM) Core Network (CN) subsystem, as identified below:

Part 1: "Protocol Implementation Conformance Statement (PICS)";

Part 2: "Test Suite Structure and Test Purposes (TSS&TP)".

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

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1 Scope

The present document provides the Test Suite Structure and Test Purposes (TSS&TP) for the Originating Identification Presentation (OIP) supplementary service and the Originating Identification Restriction (OIR) supplementary services, based on stage one and two of the ISDN and CLIR supplementary service defined in ETSI TS 124 607 [1].

The OIP service provides the terminating party with the possibility to receive a trusted (network-provided) identity of the originating party, and is applicable to all session-based services of the NGN.

The OIR service enables the originating party to prevent presentation of any network-provided identity to the terminating party, and is applicable to all session-based services of the NGN.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

[1] ETSI TS 124 607: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.607 Release 10)".

[2] ETSI TS 186 006-1: "Core Network and Interoperability Testing (INT); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance test specification (3GPP Release 10); Part 1: Protocol Implementation Conformance Statement (PICS)".

[3] IETF RFC 3323: "A Privacy Mechanism for the Session Initiation Protocol (SIP)".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ETSI TS 124 607 [1] and the following apply:

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

PICS proforma: Refer to ISO/IEC 9646-1 [i.1].

Point of Control and Observation: Refer to ISO/IEC 9646-1 [i.1].

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

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

Test Purpose (TP): Refer to ISO/IEC 9646-1 [i.1].

NOTE: This may contain additional information.

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 124 607 [1] and the following apply:

CLIR	Calling Line Identification Restriction
IUT	Implementation Under Test
OIP	Originating Identification Presentation
OIR	Originating Identification Restriction
SUT	System Under Test

4 Test Suite Structure (TSS)

User			
	CallingUser		OIP_U01_xxx
	CalledUser		OIP_U02_xxx

Network		
	AS_OrigUser	OIP_N01_xxx
	AS_TermUser	OIP_N02_xxx

Figure 4-1: Test suite structure

4.1 Configuration

4.1.0 Introduction

The scope of the present specification is to test the signalling and procedural aspects of the stage 3 requirements as described in ETSI TS 124 607 [1]. The stage 3 description describes the requirements for several network entities and also the requirements regarding for terminal devices. Therefore several interfaces (reference points) are addressed to satisfy the test of the different entities.

Therefore to test the appropriate entities the configurations below are applicable.

4.1.1 Testing of the AS

The AS entity is responsible for performing and managing services. The ISC interface is the appropriate access point for testing.

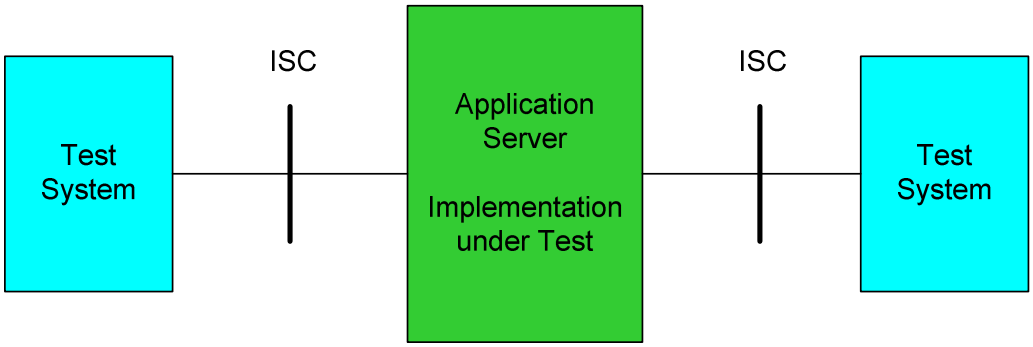

Figure 4.1.1-1: Applicable interface to test AS functionalities

If the ISC interface is not accessible it is also possible to perform the test of the AS using any NNI (Mw, Mg, Mx) interface (see figure 4.1.1-2). In case only the Gm interface is accessible this interface can be used instead for testing, but the verification of all requirements may not be possible.

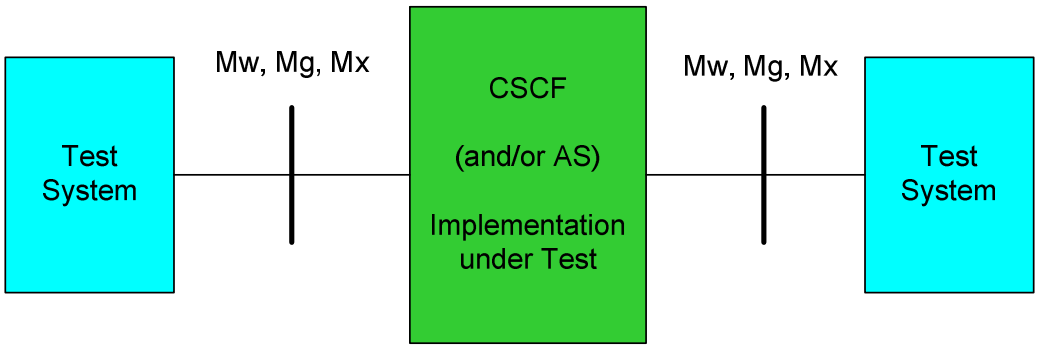

Figure 4.1.1-2: Applicable interfaces for tests using a (generic) NNI interface

4.1.2 Testing of the UE

There are special clauses in the protocol standard describing the procedures that apply at the originating and terminating user equipment. Therefore the test configuration in figure 4.1.2-1 has been chosen.

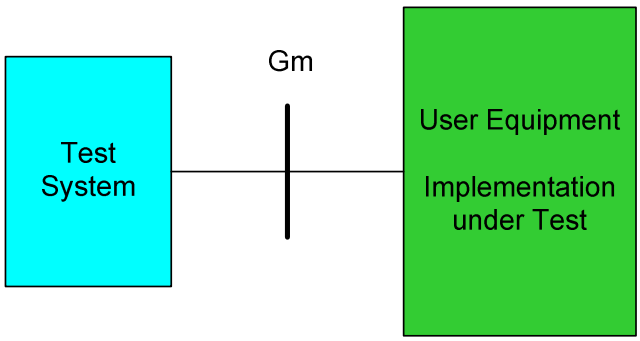

Figure 4.1.2-1: Applicable configuration to test UE functionalities

5 Test Purposes (TP)

5.1 Introduction

5.1.1 TP naming convention

TPs are numbered, starting at 001, within each group. Groups are organized according to the TSS. Additional references are added to identify the actual test suite and whether it applies to the network or the user (see table 5.1.1-1).

Table 5.1.1-1: TP identifier naming convention scheme

Identifier: **<ss>_<iut><group>_<nnn>**				
<ss>	=	supplementary service:	e.g. "OIP"	
<iut>	=	type of IUT:	U N	User - equipment Network
<group>	=	group	2 digit field representing group reference according to TSS	
<nnn>	=	sequential number	(001 to 999)	

5.1.2 Test strategy

As the base standard ETSI TS 124 607 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETSI TS 186 006-1 [2]. The criteria applied include the following:

- only the requirements from the point of view of the T or coincident S and T reference point are considered;
- whether or not a test case can be built from the TP is not considered.

5.2 User TPs for OIP and OIR

5.2.0 Introduction

All PICS items referred to in this clause are as specified in ETSI TS 186 006-1 [2] unless indicated otherwise by another numbered reference.

5.2.1 Calling user

TSS	**TP**	**OIP reference**	**Selection expression**
User/Calling_User	OIP_U01_001	clause 4.5.2.1	PICS 4.1/1 AND PICS 4.2/2
Test purpose: *Originating user sends a P-Preferred Identity.* Ensure that the IUT, in order to present a complete calling user identity with which is registered, sends an INVITE message containing a **P-Preferred-Identity** header with valid 'tel' or 'SIP' URI defined as USER_URI in table 5.2.1-1.			
Preconditions: The user registers the public user identity.			
Comments:			
User Equipment			**Test Equipment**
INVITE		➔	INVITE

TSS	**TP**	**OIP reference**	**Selection expression**
User/Calling_User	OIP_U01_002	clause 4.5.2.1	PICS 4.1/1
Test purpose: *Originating user sends a P-Preferred Identity and wishes to override the default setting 'Presentation restricted'.* Ensure that the IUT, in order to present a complete calling user identity with which is registered and to override the OIR default settings of 'presentation restricted', sends an INVITE message containing a **P-Preferred-Identity** header with valid 'tel' or 'SIP' URI defined as USER_URI and a Privacy header set to "**none**".			
Comments:			
User Equipment		**Test Equipment**	
INVITE	→	INVITE	

User/Calling_User	**TP**	**OIP reference**	**Selection expression**
	OIP_U01_003	clause 4.5.2.1	PICS 4.1/1
Test purpose: *Originating user sends an 'anonymous' From header and wishes to override the default setting 'Presentation not restricted'.* Ensure that the IUT, in order to override the OIR default settings of 'presentation not restricted', sends an INVITE message not containing a **P-Preferred-Identity** header and containing a Privacy header set to "**id**" or "**header**" and containing an anonymous From header. The convention for configuring an anonymous From header is described in IETF RFC 3323 [3] and should be followed; i.e. From: "Anonymous" <sip:anonymous@anonymous.invalid>;tag= xxxxxx.			
Preconditions:			
User Equipment		**Test Equipment**	
INVITE	→	INVITE	

Table 5.2.2-1

Values for test purposes OIP_U02_001	
	USER_URI
VA_1	tel: local number
VA_2	tel: global number
VA_3	tel: local number ; phone-context= particular phone prefix.
VA_4	tel: local number ; phone-context= domainname
VA_5	tel: local number; isub= ISDN Subadress
VA_6	SIP URI sip:user:password@host:port;uri-parameters
VA_7	sip URI: local number @host:port;uri-parameters
VA_8	sip URI: global number @host:port;uri-parameters
VA_9	sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters

5.2.2 Called user

TSS	**TP**	**OIP reference**	**Selection expression**
User/Called_User	OIP_U02_001		PICS 4.1/1
Test purpose: *Terminating user receives a P-Asserted identity header field.* Ensure that the terminating UE, receiving a valid and compatible INVITE message containing one **P-Asserted-Identity** header indicating a public user identity defined as URI_USER in table 5.2.1-2, accepts the call following the basic call procedures.			
Comments:			
User Equipment		**Test Equipment**	
INVITE	←	INVITE	

TSS	**TP**	**OIP reference**	**Selection expression**
User/Called_User	OIP_U02_002		PICS 4.1/1
Test purpose: *Terminating user receives a P-Asserted identity header field.* Ensure that the terminating UE, receiving a valid and compatible INVITE message containing two **P-Asserted-Identity** headers indicating public user identities defined as URI_USER in table 5.2.1-2 accepts the call following the basic call procedures.			
Comments:			
User Equipment	**SUT**	**Test Equipment**	
INVITE	←	INVITE	

Table 5.2.2-1

Values for test purposes OIP_U02_001 and 002	
	USER_URI
VA_1	tel: local number
VA_2	tel: global number
VA_3	tel: local number ; phone-context= particular phone prefix.
VA_4	tel: local number ; phone-context= domainname
VA_5	tel: local number; isub= ISDN Subadress
VA_6	SIP URI sip:user:password@host:port;uri-parameters
VA_7	sip URI: local number @host:port;uri-parameters
VA_8	sip URI: global number @host:port;uri-parameters
VA_9	Sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters

5.2.3 Requirements on the originating network side

5.2.3.1 Actions at the AS serving the originating user

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_001	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/4
Test purpose: *The AS includes a Privacy header field in **permanent mode.*** Ensure that the IUT, on receipt of an INVITE without a Privacy header or a privacy header value not "id" or "header", transmits an INVITE with a Privacy header set to "**id**" or "**header**".			
Preconditions: The originating user has subscribed to the OIR service in the **permanent mode.**			
Comments:			
Test equipment	**AS**		**Test equipment**
INVITE	→	→	INVITE
100 Trying	←		

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_002	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/4
Test purpose: *The AS removes Privacy header field "none" in **permanent mode.*** Ensure that the IUT, on receipt of an INVITE with a Privacy header set to "**none**", transmits an INVITE with only one Privacy header set to "**id**" or "**header**". The Privacy header value "none" is removed.			
Preconditions: The originating user has subscribed to the OIR service in the **permanent mode.**			
Comments:			
Test equipment	**AS**		**Test equipment**
INVITE	→	→	INVITE
100 Trying	←		

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_003	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/1 AND PICS 4.3/4

Test purpose:
*The AS anonymizes the identity in **permanent mode.***
Ensure that the IUT, on receipt of an INVITE, transmits an INVITE with a Privacy header set to "**user**" or transmits an INVITE with the From header anonymized.

Preconditions:
The originating user has subscribed to the OIR service in the **permanent mode.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_004	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
*The AS includes a Privacy header field in **temporary mode, restricted.***
Ensure that the IUT, on receipt of an INVITE without Privacy header, transmits an INVITE with a Privacy header set to "**id**" or "**header**".

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **presentation restricted.**
The subscription option Restriction is set to 'restrict the asserted identity'.

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_005	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
*The AS includes a Privacy header field in **temporary mode, restricted.***
Ensure that the IUT, on receipt of an INVITE with a Privacy header present set to a value other than "**none**", transmits an INVITE with a Privacy header set to "**id**" or "**header**".

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **presentation restricted.**
The subscription option Restriction is set to 'restrict the asserted identity'.

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_006	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/1 AND PICS 4.3/5

Test purpose:
*The AS anonymizes the identity in **temporary mode, restricted.***
Ensure that the IUT, on receipt of an INVITE and no Privacy header is present, transmits an INVITE with the From header anonymized or add a Privacy header value "**user**".

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_007	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/1 AND PICS 4.3/5

Test purpose:
The AS anonymizes the identity in ***temporary mode, restricted.***
Ensure that the IUT, on receipt of an INVITE and a Privacy header present set to "**id**", transmits an INVITE with the From header anonymized or add the value "**user**" to the Privacy header.

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_008	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/1 AND PICS 4.3/5

Test purpose:
The AS anonymizes the identity in ***temporary mode, restricted.***
Ensure that the IUT, on receipt of an INVITE and a Privacy header present set to "**header**", transmits an INVITE with the From header anonymized or add the value "**user**" to the Privacy header.

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_009	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
The AS does not anonymizes the identity in ***temporary mode, not restricted.***
Ensure that the IUT, on receipt of an INVITE without a Privacy header, transmits an INVITE and the From header is not anonymized or the Privacy header if present does not contain the value "**user**".

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_010	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
The AS does not anonymizes the identity in ***temporary mode, not restricted.***
Ensure that the IUT, on receipt of an INVITE with a Privacy header set to "**none**", transmits an INVITE and the From header is not anonymized or the Privacy header does not contain the value "**user**".

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_011	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
The AS anonymizes the identity in ***temporary mode, not restricted.***
Ensure that the IUT, on receipt of an INVITE with a Privacy header set to "**id**", transmits an INVITE with the From header anonymized or add the value "**user**" to the Privacy header.

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_012	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
The AS anonymizes the identity in ***temporary mode, not restricted.***
Ensure that the IUT, on receipt of an INVITE with a Privacy header set to "**header**", transmits an INVITE with the From header anonymized or add the value "**user**" to the Privacy header.

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_013	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5

Test purpose:
The AS replaces the identity in ***temporary mode, not restricted.***
Ensure that the IUT, on receipt of an INVITE the From header containing an identity which is not one of the originating user's registered public identities, transmits an INVITE with the From header containing the default public user identity of the originating user.

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_014	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/3 AND PICS 4.3/5

Test purpose:
The AS replaces the identity in ***temporary mode, not restricted.***
Ensure that the IUT, on receipt of an INVITE the From header containing an identity which is not one of the originating user's registered public identities, transmits an INVITE with the From header containing the default public user identity of the originating user.

Preconditions:
The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.**
The originating user has **not** subscribed to the **"no screening" special arrangement.**

Comments:

Test equipment		**AS**		**Test equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_OrigUser	OIP_N01_015	clause 4.5.2.4	PICS 4.1/2 AND PICS 4.3/5
Test purpose: *The AS leaves the identity unchanged in **temporary mode, not restricted.*** Ensure that the IUT, on receipt of an INVITE without a Privacy header, transmits an INVITE with the From header unchanged.			
Preconditions: The originating user has subscribed to the OIR service in the **temporary mode** with default **not restricted.** The originating user has subscribed to the **"no screening" special arrangement.**			
Comments:			
Test equipment		**AS**	**Test equipment**
INVITE	→	→	INVITE
100 Trying	←		

5.2.3.2 Actions at the AS serving the terminating UE

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_001	clause 4.5.2.9	PICS 4.1/2
Test purpose: *The terminating user does not subscribe the OIP service.* Ensure that the IUT, on receipt of an INVITE with a P-Asserted-Identity header, transmits an INVITE without P-Asserted-Identity header.			
Preconditions: Terminating user does not subscribe to OIP service			
Comments:			
Test Equipment		**AS**	**Test Equipment**
INVITE	→	→	INVITE
100 Trying	←		

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_002	clause 4.5.2.9	PICS 4.1/2 AND PICS 4.3/6
Test purpose: *The terminating user does not subscribe the OIP service, the AS anonymizes the contents of the From header.* Ensure that the IUT, on receipt of an INVITE with a Privacy header and a P-Asserted-Identity header, transmits an INVITE without P-Asserted-Identity header and with the From header set to a default non significant value.			
Preconditions: Terminating user does not subscribe to OIP service. The IUT anonymize the contents of the From header.			
Comments:			
Test Equipment		**AS**	**Test Equipment**
INVITE	→	→	INVITE
100 Trying	←		

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_003	clause 4.5.2.9	PICS 4.1/2 AND PICS 4.3/8
Test purpose: *The terminating user does not subscribe the OIP service.* Ensure that the IUT, on receipt of an INVITE with a privacy header and a P-Asserted-Identity header, transmits an INVITE without a Privacy header.			
Preconditions: Terminating user does not subscribe to OIP service			
Comments:			
Test Equipment		**AS**	**Test Equipment**
INVITE	→	→	INVITE
100 Trying	←		

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_004	clause 4.5.2.9	PICS 4.1/2 AND PICS 4.3/7

Test purpose:
Terminating user has the override category.
Ensure that the IUT, on receipt of an INVITE with a Privacy header set to the value "**id**" or "**header**" and a P-Asserted-Identity header, transmits an INVITE with the P-Asserted-Identity header.

Preconditions:
Terminating user does subscribe to OIP service.
Terminating user has an override category.

Comments:

Test Equipment		**AS**		**Test Equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_005	clause 4.5.2.9	PICS 4.1/2 AND PICS 4.3/7 AND PICS 4.3/8

Test purpose:
Terminating user has the override category.
Ensure that the IUT, on receipt of an INVITE with a Privacy header set to the value "i**d**" or "**header**" and a P-Asserted-Identity header, transmits an INVITE without Privacy header and with the P-Asserted-Identity header.

Preconditions:
Terminating user subscribes to OIP service.

Comments:

Test Equipment		**AS**		**Test Equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_005	clause 4.5.2.9	PICS 4.1/2 AND PICS 4.3/7

Test purpose:
Privacy value is set to "id".
Ensure that the IUT, on receipt of an INVITE with a Privacy header value set to "**id**" and a P-Asserted-Identity header, transmits an INVITE with Privacy header "id" and with the P-Asserted-Identity header.

Preconditions:
Terminating user does subscribe to OIP service.

Comments:

Test Equipment		**AS**		**Test Equipment**
INVITE	→		→	INVITE
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_005	clause 4.5.2.9 and 5.1/ [**3**]	PICS 4.1/2

Test purpose:
Privacy value is set to "header".
Ensure that the IUT, on receipt of an INVITE with a Privacy header value set to "**header**". The outgoing INVITE request, the received Via header identify the originating user and the Record-Route header identify the originating user are stripped. The Contact header do not dereference to the originating user.

Preconditions:
Terminating user subscribes to OIP service.

SIP header:
INVITE1:
Via: <identity of originating user>; branch=z9hG4....
Contact: <identity of originating user>
Record-Route: <identity of originating user>

INVITE2 :
Contact: <no identity of originating user>
Privacy: id

Comments:

Test Equipment		**AS**		**Test Equipment**
INVITE1	→		→	INVITE2
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_005	clause 4.5.2.9 and 5.1/ [**3**]	PICS 4.1/2

Test purpose:
Privacy value is set to "header".
Ensure that the IUT, on receipt of an INVITE with a Privacy header value set to "**user**". The outgoing INVITE request, the received Subject, Call-Info, Organization, User-Agent, Reply-To and In-Reply-To identify the originating user are removed from the request.

Preconditions:
Terminating user subscribes to OIP service.

SIP header:
INVITE1:
Subject: <identity of originating user>
Call-Info: <identity of originating user>
Organization: <identity of originating user>
User-Agent: <identity of originating user>
Reply-To: <identity of originating user>
In-Reply-To: <identity of originating user>

INVITE2 :

Comments:

Test Equipment		**AS**		**Test Equipment**
INVITE1	→		→	INVITE2
100 Trying	←			

TSS	**TP**	**OIP reference**	**Selection expression**
Network/AS_TermUser	OIP_N02_005	clause 4.5.2.9	PICS 4.1/2 AND PICS 4.3/7

Test purpose:
Terminating user has the override category.
Ensure that the IUT, on receipt of an INVITE with a Privacy header and a P-Asserted-Identity header, transmits an INVITE without Privacy header and with the P-Asserted-Identity header.

Preconditions:
Terminating user does subscribe to OIP service.

Comments:

Test Equipment		**AS**		**Test Equipment**
INVITE	→		→	INVITE
100 Trying	←			

5.2.3.3 Interaction with other services

5.2.3.3.1 Communication diversion services (CDIV)

Void.

5.2.3.3.2 Malicious Communication IDentification (MCID)

Void.

Annex A (informative): Bibliography

IETF RFC 3325: "Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks".

History

Document history		
V1.1.1	July 2006	Publication
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