ETSITS 186 006-2 V5.1.1 (2018-02)



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 12);

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

Reference

RTS/INT-00140-2

Keywords conformance, OIP, OIR, PICS, SIP, testing

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 à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

The present document can be downloaded from: <u>http://www.etsi.org/standards-search</u>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx

If you find errors in the present document, please send your comment to one of the following services: https://portal.etsi.org/People/CommitteeSupportStaff.aspx

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2018. All rights reserved.

DECT[™], **PLUGTESTS**[™], **UMTS**[™] and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP**[™] and **LTE**[™] are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

oneM2M logo is protected for the benefit of its Members.

GSM® and the GSM logo are trademarks registered and owned by the GSM Association.

Contents

Intelle	ectual Property Rights	4
Forew	vord	4
Moda	al verbs terminology	4
1	Scope	
1	•	
2	References	
2.1	Normative references	5
2.2	Informative references	5
3	Definitions, symbols and abbreviations	5
3.1	Definitions	5
3.2	Symbols	6
3.3	Abbreviations	6
4	Test Suite Structure (TSS)	6
4.0	Table of Test suite Structure	
4.1	Configuration	
4.1.0	Introduction	
4.1.1	Testing of the AS	6
4.1.2	Testing of the UE	
5	Test Purposes (TP)	8
5.1	Introduction	
5.1.1	TP naming convention	8
5.1.2	Test strategy	8
5.2	User TPs for OIP and OIR	8
5.2.0	Introduction	8
5.2.1	Calling user equipment	8
5.2.2	Called user equipment	9
5.2.3	Requirements on the originating network side	10
5.2.3.1	1 Actions at the AS serving the originating user	10
5.2.3.2		
Anne	ex A (informative): Bibliography	16
Histor	ry	17

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (https://ipr.etsi.org/).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

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. Full details of the entire series can be found in part 1 [2].

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 <u>ETSI Drafting Rules</u> (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.

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 https://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 12)"".
- [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; (3GPPTM Release 12); 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 referenced 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, symbols 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 Symbols

For the purposes of the present document, the symbols given in ETSI TS 124 607 [1] apply.

3.3 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
OID	Originating Identification Presentation

OIP Originating Identification Presentation
OIR Originating Identification Restriction

SUT System Under Test

4 Test Suite Structure (TSS)

4.0 Table of Test suite Structure

Table 4.0-1: Test suite structure

User		
	CallingUser	OIP_U01_xxx
	CalledUser	OIP_U02_xxx

Network		
	AS_OrigUser	OIP_N01_xxx
	AS_TermUser	OIP_N02_xxx

4.1 Configuration

4.1.0 Introduction

The scope of the present document 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.

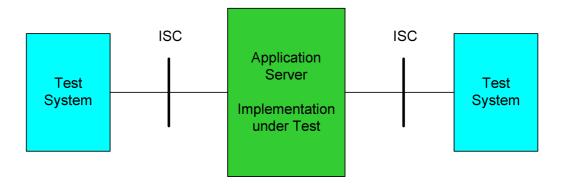


Figure 4.1.1-1: Applicable interface to test AS functionalities

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.

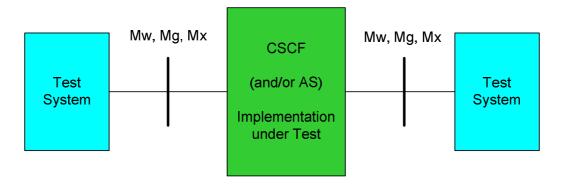


Figure 4.1.1-2: Applicable interfaces for tests using a (generic) NNI interface

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.

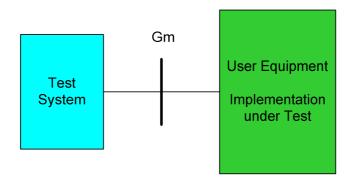


Figure 4.1.2-1: Applicable configuration to test UE functionalities

5 Test Purposes (TP)

5.1 Introduction

5.1.1 TP naming convention

Table 5.1.1-1: TP identifier naming convention scheme

```
Identifier: <ss>_<iut><group>_<nnn>
                   supplementary service:
                                            e.g. "OIP"
   <SS>
                                            U
                                                         User - equipment
                  type of IUT:
   <iut>
                                            Ν
                                                         Network
                                            2 digit field representing group reference according to TSS
   <group>
                   group
   <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 equipment

TSS	TP	OIP reference	Selection expression			
User/Calling_User	OIP_U01_001	clause 4.5.2.1	PICS 4.5.1/1			
			AND PICS 4.2/2			
Test purpose:						
Originating user sends a P-Preferred Identity.						
Ensure that the IUT, in order to present a complete c	alling user identity	with which is registe	red,			
sends an INVITE message containing a P-Preferred	-Identity header v	vith 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 Equipmer	nt			
INVITE	→	INVITE				

TSS	TP	OIP reference	Selection expression			
User/Calling_User	OIP_U01_002	clause 4.5.2.1	PICS 4.5.1/1			
Test purpose:						
Originating user sends a P-Preferred Identity and wi	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:						
Jser Equipment Test Equipment						

User/Calling_User	TP	OIP reference	Selection expression
	OIP_U01_003	clause 4.5.2.1	PICS 4.5.1/1

INVITE

Test purpose:

INVITE

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 5.2.1-1

	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 equipment

TSS	TP	OIP reference	Selection expression				
User/Called_User	OIP_U02_001		PICS 4.5.1/1				
Test purpose:							
Terminating user receives a P-Asserted identity hea							
Ensure that the terminating UE, receiving a valid and							
header indicating a public user identity defined as Ul	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 4.5.1/1			
Test purpose:						
Terminating user receives a P-Asserted identity head						
Ensure that the terminating UE, receiving a valid and	compatible INVITE	message containing to	wo P-Asserted-Identity			
headers indicating public user identities defined as U	eaders indicating public user identities defined as URI_USER in table 5.2.1-2 accepts the call following the basic call					
rocedures.						
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	<u> </u>			

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 4.5.1/2
-			AND PICS 4.7.1/4
Test purpose:			
The AS includes a Privacy header field in permaner	nt mode.		
Ensure that the IUT, on receipt of an INVITE without	a Privacy header	or a privacy header va	alue 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 servi-	ce in the permane	ent mode.	
Comments:			
Test equipment	AS	Test equipmen	nt
INVITE →	→	INVITE	
100 Trying ←			

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_002	clause 4.5.2.4	PICS 4.5.1/2
			AND PICS 4.7.1/4
Test purpose:			
The AS removes Privacy header field "none" in p	ermanent mode.		
Ensure that the IUT, on receipt of an INVITE with			an INVITE with only one
Privacy header set to "id" or "header". The Privac	cy header value "non-	e" is removed.	
Preconditions:			
The originating user has subscribed to the OIR se	ervice in the permane	ent mode.	
Comments:			
Test equipment	AS	Test equipme	ent
INVITE	→		
100 Trying ←			

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_003	clause 4.5.2.4	PICS 4.5.1/2
			AND PICS 4.7.1/1
			AND PICS 4.7.1/4
Test purpose:	·		·
The AS anonymizes the identity in pe	ermanent mode.		
Ensure that the IUT, on receipt of an	INVITE, transmits an INVITE with	a Privacy header set	t to " user " or transmits an
INVITE with the From header anonyn	nized.	·	
Preconditions:			
The originating user has subscribed to	o the OIR service in the permane	ent mode.	
Comments:			
Test equipment	AS	Test equipmen	nt
INVITE	→ →	INVITE	

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_004	clause 4.5.2.4	PICS 4.5.1/2
			AND PICS 4.7.1/5

Test purpose:

100 Trying

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		PICS 4.5.1/2 AND PICS 4.7.1/5

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	←			

	12		3 100 000-2 V3.1.1 (2010-
TSS Network/AS_OrigUser	TP OIP_N01_006	OIP reference clause 4.5.2.4	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/1 AND PICS 4.7.1/5
Test purpose: The AS does not anonymizes the ident Ensure that the IUT, on receipt of an IN the From header not anonymized and t Preconditions: The originating user has subscribed to	NVITE and a Privacy header is p the Privacy header if present is r	resent set to " none ", not set to value " user	or "header" or "id".
Comments:	the One service in the temporal	ry mode with deladit	restricted.
Test equipment INVITE 100 Trying	AS → ←	Test equipment INVITE	nt
TSS Network/AS_OrigUser	TP OIP_N01_007	OIP reference clause 4.5.2.4	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/1 AND PICS 4.7.1/5
Test purpose: The AS anonymizes the identity in tem Ensure that the IUT, on receipt of an IN From header anonymized or add the va	NVITE and a Privacy header pre		mits an INVITE with the
Preconditions: The originating user has subscribed to	the OIR service in the tempora	rv mode with default	restricted.
Comments:	and on Convice in the temperal	y mode man dendan	10011101001
Test equipment INVITE 100 Trying	AS → →	Test equipme INVITE	nt
, ,			
TSS Network/AS_OrigUser	TP OIP_N01_008	OIP reference clause 4.5.2.4	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/1 AND PICS 4.7.1/5
Test purpose: The AS anonymizes the identity in tem Ensure that the IUT, on receipt of an IN the From header anonymized or add the Preconditions: The originating user has subscribed to	NVITE and a Privacy header pre- ne value " user " to the Privacy he	eader.	
Comments:	•		
Test equipment INVITE 100 Trying	AS → ←	Test equipment INVITE	nt
TSS Network/AS_OrigUser	TP OIP_N01_009	OIP reference clause 4.5.2.4	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/5
Test purpose: The AS does not anonymizes the ident Ensure that the IUT, on receipt of an IN anonymized or the Privacy header if pr	NVITE without a Privacy header,	transmits an INVITE	and the From header is n
Preconditions: The originating user has subscribed to			

AS

→

Test equipment INVITE

Comments:

INVITE

100 Trying

Test equipment

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_010	clause 4.5.2.4	PICS 4.5.1/2
			AND PICS 4.7.1/5
Test purpose:			
The AS does not anonymizes the identity in temp	porary mode, not re	stricted.	
Ensure that the IUT, on receipt of an INVITE with	n a Privacy header se	t to "none", transmits	an INVITE and the From
header is not anonymized or the Privacy header	does not contain the	value " user " or "head	er" or "id".
Preconditions:			
The originating user has subscribed to the OIR se	ervice in the tempora	ary mode with default	not restricted.
Comments:			
Test equipment	AS	Test equipme	nt
INVITE →	-	INVITE	
100 Trying ←			

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_011	clause 4.5.2.4	PICS 4.5.1/2
_			AND PICS 4.7.1/5
Test purpose:			
The AS anonymizes the identity in tempora	ry mode, not restricted	d.	
Ensure that the IUT, on receipt of an INVITE	with a Privacy header s	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 C	DIR service in the tempo	orary mode with default	t not restricted.
Comments:			
Test equipment	AS	Test equipme	ent
INVITE	•	→ INVITE	
100 Trying	•		

TSS	TP	OIP	reference	Selection expression			
Network/AS_OrigUser	OIP_N01_	012 clau	se 4.5.2.4	PICS 4.5.1/2			
				AND PICS 4.7.1/5			
Test purpose:							
The AS anonymizes the identity in tempo	rary mode, not restric	cted.					
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 "use	er" to the Privacy head	er.					
Preconditions:							
The originating user has subscribed to the	OIR service in the ter	mporary mod	de with default	not restricted.			
Comments:							
Test equipment	AS	٦	Test equipme	nt			
INVITE	→	→	NVITE				

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_014	clause 4.5.2.4	PICS 4.5.1/2
_ 3			AND PICS 4.7.1/3
			AND PICS 4.7.1/5

Test purpose:

100 Trying

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 4.5.1/2			
			AND PICS 4.7.1/5			
Test purpose:						
The AS leaves the identity unchanged in temporary						
Ensure that the IUT, on receipt of an INVITE the Fron	m header contain	ing an identity which is	s not one of the originating			
user's registered public identities, transmits an INVIT	E with the From I	neader 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 scree	ening" special a	rangement.				
Comments:						
Test equipment	AS	Test equipmen	nt			
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_0	001	clause 4.5.2.9	PICS 4.5.1/2
Test purpose:					•
The terminating user does not subso	cribe the OIP	service.			
Ensure that the IUT, on receipt of an	INVITE with	a P-Asserted-Id	dentity h	eader, transmits ar	n INVITE without
P-Asserted-Identity header.			•		
Preconditions:					
Terminating user does not subscribe	to OIP service	ce.			
Comments:					
Test Equipment		AS		Test Equipme	nt
INVITE	→		→	INVITE	
100 Trying	←				

TSS	TP	OIP reference	ce Selection expression
Network/AS_TermUser	OIP_N02_002	clause 4.5.2.	.9 PICS 4.5.1/2
			AND PICS 4.7.1/6
Test purpose:			
The terminating user does not subscribe the OIP s	ervice, the AS an	onymizes the cont	tents of the From header.
Ensure that the IUT, on receipt of an INVITE with a	a Privacy header	and a P-Asserted-	Identity header, transmits an
INVITE without P-Asserted-Identity header and wit	h the From heade	er set to a default r	non-significant value.
Preconditions:			
Terminating user does not subscribe to OIP service	e.		
The IUT anonymize the contents of the From head	ler.		
Comments:			
Test Equipment	AS	Test Equ	ipment
INVITE →		→ INVITE	-
100 Trying ←			

TSS Network/AS_TermUser		TP OIP_N02_003		IP reference ause 4.5.2.9	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/8
Test purpose:					
The terminating user does not subsc	ribe the OIP	service.			
Ensure that the IUT, on receipt of an	INVITE with	a privacy header a	nd a P-	-Asserted-Identit	ty header, transmits an
INVITE without a Privacy header.					
Preconditions:					
Terminating user does not subscribe	to OIP servi	e.			
Comments:					
Test Equipment		AS		Test Equipme	ent
INVITE	→		→	INVITE	
100 Trying	←				

TSS	TP	OIP	reference	Selection expression
Network/AS_TermUser	OIP_N02_	_004 clau	ıse 4.5.2.9	PICS 4.5.1/2
				AND PICS 4.7.1/7
Test purpose:				
Terminating user has the override category.				
Ensure that the IUT, on receipt of an INVITE	with a Privacy hea	der set to the	value "id" or "he	ader" and a P-Asserted-
Identity header, transmits an INVITE with the	e P-Asserted-Identit	y header.		
Preconditions:				
Terminating user does subscribe to OIP ser	vice.			
Terminating user has an override category.				
Comments:				
Test Equipment	AS	7	Test Equipment	
INVITE	•	→	NVITE	
100 Trying	•			

TSS	TP	OIP reference	Selection expression
Network/AS_TermUser	OIP_N02_005	clause 4.5.2.9	PICS 4.5.1/2
			AND PICS 4.7.1/7
			AND PICS 4.7.1/8
Test purpose:			·
Terminating user has the override category.			
Ensure that the IUT, on receipt of an INVITE with	n a Privacy header se	t to the value "i d " or "	header" and a P-Asserted-
Identity header, transmits an INVITE without Priv	acy header and with	the P-Asserted-Identi	ty header.
Preconditions:	-		
Terminating user subscribes to OIP service.			
Comments:			
Test Equipment	AS	Test Equipme	ent
INVITE →	+	INVITE	
100 Trying ←			

TSS		TP		OIP reference	Selection expression
Network/AS_TermUser		OIP_N02_00	6	clause 4.5.2.9	PICS 4.5.1/2
					AND PICS 4.7.1/7
Test purpose:					·
Privacy value is set to "id".					
Ensure that the IUT, on receipt of an II	NVITE with a	Privacy header	value	set to "id" and a F	P-Asserted-Identity header,
transmits an INVITE with Privacy head	der "id" and w	ithout the P-Ass	serted	-Identity header.	•
Preconditions:				•	
Terminating user does subscribe to Ol	IP service.				
Comments:					
Test Equipment		AS		Test Equipme	ent
INVITE	→		→	INVITE	
100 Trying	←				

TSS	TP	OIP reference	Selection expression
Network/AS_TermUser	OIP_N02_007	clause 4.5.2.9 and	PICS 4.5.1/2
		5.1/ [3]	

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 INVITE1 → INVITE2

100 Trying ←

TSS	TP	OIP reference	Selection expression
Network/AS_TermUser	OIP_N02_008	clause 4.5.2.9 and	PICS 4.5.1/2
		5 1/[3]	

Test purpose:

Privacy value is set to "user".

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
INVITE1

→ INVITE2

100 Trying

AS Test Equipment
→ INVITE2

TSS	TP	OIP reference	Selection expression
Network/AS_TermUser	OIP_N02_009	clause 4.5.2.9	PICS 4.5.1/2
			AND PICS 4.7.1/7

Test purpose:

Terminating user receives the identity of the calling user.

Ensure that the IUT, on receipt of an INVITE with no Privacy 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
INVITE

→
INVITE

→
INVITE

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			
V3.1.1	July 2011	Publication			
V4.1.1	October 2015	Publication			
V5.1.1	February 2018	Publication			