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Technical Specification

Technical Committee for IMS Network Testing (INT); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) Part 2: Test Suite Structure and Test Purposes (TSS&TP)



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Foreword

This Technical Specification (TS) has been produced by IMS Network Testing (INT).

The present document is part 2 of a multi-part deliverable covering Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) as identified below:

- Part 1: "Protocol Implementation Conformance Statement (PICS)";
- Part 2: "Test Suite Structure and Test Purposes (TSS&TP)";
- Part 3: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification".

The present version updates the references to the basic call specifications.

NOTE: Some new parts will be developed in the future.

1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for the Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) NGN Basic Service, TS 124 407 [1].

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A further part of this multi-part deliverable specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on the present document.

Within the TISPAN NGN Release 2, 3GPP release 8 Next Generation Network (NGN) the stage 3 description is specified using the IP-Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP).

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

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.
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases:
 - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
 - for informative references.

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2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

- [1] ETSI TS 124 407: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; TISPAN; PSTN/ISDN simulation services; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR); Protocol specification (3GPP TS 24.407 Release 8)".
- [2] ETSI TS 102 722-1: "Technical Committee for IMS Network Testing (INT); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) conformance testing; Part 1: Protocol Implementation Conformance Statement (PICS)".
- [3] IETF RFC 3323: "A Privacy Mechanism for the Session Initiation Protocol (SIP)".
- [4] IETF RFC 2396: "Uniform Resource Identifiers (URI): Generic Syntax".
- [5] ITU-T Recommendation E.164: "The international public telecommunication numbering plan".

- [6] IETF RFC 2806: "URLs for Telephone Calls".
- [7] ISO/IEC 9646-1: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General concepts".
- [8] ISO/IEC 9646-3: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 3: The Tree and Tabular Combined Notation (TTCN)".
- [9] ISO/IEC 9646-2: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 2: Abstract Test Suite specification".
- [10] ITU-T Recommendation Q.1912.5: "Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control protocol or ISDN User Part".

2.2 Informative references

The following referenced documents are not essential to the use of the present document but they assist the user with regard to a particular subject area. For non-specific references, the latest version of the referenced document (including any amendments) applies.

- [i.1] IETF RFC 3261: "SIP: Session Initiation Protocol".
 [i.2] ITU-T Recommendation I.210: "Principles of telecommunication services supported by an ISDN and the means to describe them".
- [i.3] ETSI TS 183 007: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); PSTN/ISDN simulation services; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR); Protocol specification".

3 Definitions and abbreviations

3.1 Definitions

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

abstract test case: Refer to ISO/IEC 9646-1 [7].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [7].

address identity: See ITU Recommendation E.164 [5] or/and RFC 2806 [6].

dialog: Refer to RFC 3261 [i.1].

final response: Refer to RFC 3261 [i.1].

header: Refer to RFC 3261 [i.1].

header field: Refer to RFC 3261 [i.1].

dentity information: includes all the information identfying a user, including trusted (network generated) and/or untrusted (user generated) addresses

NOTE: See RFC 2806 [6], RFC 2396 [4] and ITU-T Recommendation E.164 [5].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [7].

implicit send event: Refer to ISO/IEC 9646-3 [8].

lower tester: Refer to ISO/IEC 9646-1 [7].

method: Refer to RFC 3261 [i.1].

option-tag: Refer to RFC 3261 [i.1].

originating user: the sender of a SIP request intended to initiate either a dialog (e.g. INVITE, SUBSCRIBE), or a standalone transaction (e.g. OPTIONS, MESSAGE)

outgoing (call): call outgoing from the user side of the interface

PICS proforma: Refer to ISO/IEC 9646-1 [7].

PIXIT proforma: Refer to ISO/IEC 9646-1 [7].

point of control and observation: Refer to ISO/IEC 9646-1 [7].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [7].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [7].

provisional response: Refer to RFC 3261 [i.1].

proxy, proxy server: Refer to RFC 3261 [i.1].

request: Refer to RFC 3261 [i.1].

response: Refer to RFC 3261 [i.1].

session: Refer to RFC 3261 [i.1].

SIP transaction: Refer to RFC 3261 [i.1].

standalone transaction: SIP transaction that is not part of a dialog and does not initiate a dialog

NOTE: An OPTIONS or a MESSAGE request sent outside of a SIP dialog would be considered to be part of a standalone transaction.

supplementary service: See ITU-T Recommendation I.210 [i.2], clause 2.4

system under test: Refer to ISO/IEC 9646-1 [7].

tag: Refer to RFC 3261 [i.1].

test equipment: combination of equipment and procedures that can perform: the derivation of test cases, the selection of test cases, the parameterization of test cases, the execution of test cases; and the production of a conformance log

Test Purpose (TP): Refer to ISO/IEC 9646-1 [7].

terminating user: recipient of a SIP request intended either to initiate a dialog or to initiate either a dialog or a standalone transaction

trusted identity: network generated user address information

untrusted identity: user generated user address information

user equipment: allows a user access to network services

NOTE: For the purpose of 3GPP specifications the interface between the UE and the network is the radio interface. A User Equipment can be subdivided into a number of domains, the domains being separated by reference points. Currently the User Equipment is subdivided into the UICC domain and the ME Domain. The ME Domain can further be subdivided into one or more Mobile Termination (MT) and Terminal Equipment (TE) components showing the connectivity between multiple functional groups.

voice session: existing voice connection between two terminal equipments

EXAMPLE: Via RTP.

For the purposes of the present document, the following abbreviations apply:

AS	Application Server
ATM	Abstract Test Method
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
CN	Core Network
CS	Circuit Switched
CSCF	Call Session Control Function
IBCF	Interconnection Border Control Function
IM	IP Multimedia
IP	Internet Protocol
ISDN	Integrated Service Data Network
MGCF	Media Gateway Control Function
MT	Mobile Termination
n/a	not applicable
NGN	Next Generation Network
NNI	Network-Network Interface
OIP	Originating Identification Presentation
OIR	Originating Identification Restriction
P-CSCF	Proxy - CSCF
PSTN	Public Switch Telephone Network
S-CSCF	Serving CSCF
SDP	Session Description Protocol
SIP	Session Initiation Protocol
TE	Terminal Equipment
TP	Test Purpose
TSS	Test Suite Structure
UA	User Agent
UE	User Equipment
URI	Universal Resource Identifier

4 Test Suite Structure (TSS)

CallingUser	SyntaxReq	OIP_U01_xxx
	OrigUser	OIP_U02_xxx
	DestUser	OIP_U03_xxx

Originating_Netw

OriginatingUser

OrigP-CSCF	OIP_N01_xxx
OrigS-CSCF	OIP_N02_xxx
AS_OrigUser	OIP_N03_xxx
NotTrusNetw	OIP_N04_xxx
AS_TermUser	OIP_N05_xxx

Figure 1: Test suite structure

4.1 Configuration

The scope of the present document is to test the signalling and procedural aspects of the stage 3 requirements as described in [1]. The stage 3 description respects the requirements to several network entities and also to requirements regarding to end devices. Therefore several interfaces (reference points) are addressed to satisfy the test of the different entities.

Testing of the Application Server: This entity is responsible to perform the service. Hence the ISC interface is the appropriate access point. Figure 1 points to this.



Figure 1: Applicable interface to test AS functionalities

If the ISC interface is not accessible it is also applicable to perform the test of the AS using any NNI (Mw, Mg, Mx) interface (consider figure 2). In case only the Gm interface is accessible this shall be used instead. In this case, be aware that the verification of several requirements is impeded.



Figure 2: Applicable interfaces to test using the (generic) NNI interface

Figure 3 illustrates the usage of any NNI interface.

Testing of User Equipment: There are several requirements regarding to the end devices. Therefore a special configuration appears.



Figure 3: Applicable configuration to test the User Equipment

Testing of the IBCF functionality: The IBCF is the division between the trusted and the untraced networks.





If the Mx interface is not accessible it is also applicable to perform the test of the IBCF using any NNI (Mw, Mg, Mx) interface (consider figure 2). In case only the Gm interface is accessible this shall be used instead. In this case, be aware that the verification of several requirements is impeded.

5 Test Purposes (TP)

5.1 Introduction

For each test requirement a TP is defined.

The references applicable in the test Purposes are with respect to the OIP/OIR specification [1], except where explicitly stated otherwise.

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 1).

Table 1: TP identifier	[,] naming	convention scheme
------------------------	---------------------	-------------------

Identifier: <	6S>_<	iut> <group>_<nnn></nnn></group>		
<\$\$>	=	supplementary service:	e.g. "OIP"	
<iut></iut>	=	type of IUT:	U N	User - equipment Network
<group></group>	=	group	2 digit field r	epresenting group reference according to TSS
<nnn></nnn>	=	sequential number	(001 to 999)	

5.1.2 Test strategy

As the base standard TS 124 407 [1] TS 183 007 [i.3] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification TS 102 722-1 [2]. The criteria applied include the following:

• whether or not a test case can be built from the TP is not considered.

5.2 User TPs for OIP

All PICS items referred to in this clause are as specified in TS 102 722-1 [2] unless indicated otherwise by another numbered reference.

5.2.1 Calling user

5.2.1.1 Valid behaviour

5.2.1.1.1 Syntax requirements at the originating user

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/SyntaxReq	OIP_U01_001	clause 4.4	PICS 1/1
Test purpose:			
The originating UE sends a Tel URI in local			
Ensure that the IUT in order to present a co			
sends an INVITE message containing a vali	id 'tel' URI in the loca	l number format e.g. tel: lo	ocal number.
Comments:			
User Equipment	_	Test Equipment	
	→	INVITE	
TSS	ТР	OIP reference	Selection expression
Originating_user/Calling_user/SyntaxReq	OIP_U01_0	002 clause 4.4	PICS 1/1
Test purpose:			
The originating UE sends a Tel URI in interi			
Ensure that the IUT in order to present a co			
sends an INVITE message containing a vali	id 'tel' URI in the inter	national number format e	.g. tel: global number.
Comments:			
User Equipment		Test Equipment	
User Equipment	→	Test Equipment INVITE	
User Equipment	→		
User Equipment	→ TP		Selection expression
TSS		INVITE OIP reference	Selection expression
TSS Originating_user/Calling_user/SyntaxReq	ТР	INVITE OIP reference	
TSS Originating_user/Calling_user/SyntaxReq Test purpose:	TP OIP_U01_(OIP reference clause 4.4	PICS 1/1
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local	TP OIP_U01_(number format: phor	OIP reference Clause 4.4	PICS 1/1
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co	TP OIP_U01_(number format: phor mplete calling user id	OIP reference 003 clause 4.4 ne-context=particular phor lentity contained in the P-lentity	PICS 1/1 ne prefix Preferred Identity header,
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co sends an INVITE message containing a vali	TP OIP_U01_(number format: phor mplete calling user id	OIP reference 003 clause 4.4 ne-context=particular phor lentity contained in the P-lentity	PICS 1/1 ne prefix Preferred Identity header,
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co sends an INVITE message containing a vali prefix.	TP OIP_U01_(number format: phor mplete calling user id	OIP reference 003 clause 4.4 ne-context=particular phor lentity contained in the P-lentity	PICS 1/1 ne prefix Preferred Identity header,
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co sends an INVITE message containing a vali prefix.	TP OIP_U01_(number format: phor mplete calling user id	OIP reference 003 clause 4.4 ne-context=particular phor lentity contained in the P-lentity	PICS 1/1 ne prefix Preferred Identity header,
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co sends an INVITE message containing a vali prefix. Comments:	TP OIP_U01_(number format: phor mplete calling user id	OIP reference 003 Clause 4.4 De-context=particular phore lentity contained in the P-lat: tel: local number ; phore	PICS 1/1 ne prefix Preferred Identity header,
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co sends an INVITE message containing a vali prefix. Comments:	TP OIP_U01_0 number format: phor omplete calling user id id 'tel' URI in the form	INVITE OIP reference clause 4.4 De-context=particular phor lentity contained in the P- lat: tel: local number ; pho Test Equipment	PICS 1/1 ne prefix Preferred Identity header,
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in local Ensure that the IUT in order to present a co sends an INVITE message containing a vali prefix. Comments:	TP OIP_U01_0 number format: phor omplete calling user id id 'tel' URI in the form	INVITE OIP reference clause 4.4 De-context=particular phor lentity contained in the P- lat: tel: local number ; pho Test Equipment	PICS 1/1 ne prefix Preferred Identity header,

 Originating_user/Calling_user/SyntaxReq
 OIP_U01_004
 clause 4.4
 PICS 1/1

 Test purpose:
 The originating UE sends a Tel URI in local number format: phone-context=domain name
 Ensure that the IUT in order to present a complete calling user identity contained in the P-Preferred Identity header sends an INVITE message containing a valid 'tel' URI in the format: tel: local number ; phone-context=domain name

e.g. tel: 4711; phone-context=example.com.
Comments:
User Equipment
→ INVITE

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/SyntaxReq	OIP_U01_00	5 clause 4.4	PICS 1/1
Test purpose:			
The originating UE sends a Tel URI in the globa			
Ensure that the IUT in order to present a comple			Preferred Identity header,
sends an INVITE message containing a valid 'te	el' URI in the format		
tel: global number; isub= ISDN Subadress.			
Comments:			
UAC	SUT	UA S	
User Equipment		Test Equipment	
	→	INVITE	
TSS	TP	OIP reference	Selection expression
155			

Test purpose:

The originating UE sends a Tel URI in the local number format: isub=isdn sub address

Ensure that the IUT in order to present a complete calling user identity contained in the **P-Preferred Identity** header, sends an INVITE message containing a valid 'tel' URI in the format tel: local number ; isub= ISDN Subadress.

comments.	User Equipment		Test Equipment
		→	INVITE

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/SyntaxReq	OIP_U01_007	clause 4.4	PICS 1/1
Test purpose:			

The originating UE sends a Tel URI in the local number format: isub=isdn sub address, phone-context=particular phone prefix

Ensure that the IUT in order to present a complete calling user identity contained in the **P-Preferred Identity** header, sends an INVITE message containing a valid 'tel' URI in the format tel: local number; isub= ISDN Subadress ; phone-context= particular phone prefix.

Comments:

User Equipment		Test Equipment
	→	INVITE

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/SyntaxReq	OIP_U01_008	clause 4.4	PICS 1/1
Test purpose:			
The originating UE sends a Tel URI in the local r			
Ensure that the IUT in order to present a comple			
sends an INVITE message containing a valid 'tel		el: local number ; pho	ne-context= domaniname
e.g. tel: 4711 isub= ISDN Subadress; phone-con	text=example.com.		
Comments:			
Comments: User Equipment	г	est Equipment	

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/SyntaxReq	OIP_U01_009	clause 4.4	PICS 1/1
Test purpose:			
The originating UE sends a Tel URI in the From h	eader in the local nu	mber format	
Ensure that the IUT in order to present a complete			
sends an INVITE message containing a valid 'tel'	URI in the local num	ber format e.g. tel: lo	ocal number.
Comments:			
User Equipment	Те	st Equipment	
	→ IN	VITE	

TSS	TP	OIP reference	Selection expression
Driginating_user/Calling_user/SyntaxReq	OIP_U01_010	clause 4.4	PICS 1/1
est purpose:		•	·
The originating UE sends a Tel URI in the From	header in the internati	onal number format	
Ensure that the IUT in order to present a comple	ete calling user identity	contained in the Fro	om header field,
ends an INVITE message containing a valid 'te	el' URI in the internation	al number format e.	g. tel: global number.
Comments:			
User Equipment	Te	st Equipment	
	→ IN\	/ITE	
rss	TP	OIP reference	Selection expression
Driginating_user/Calling_user/SyntaxReq	OIP_U01_011	clause 4.4	PICS 1/1
Fest purpose:			
The originating UE sends a Tel URI in the From	header in the local nui	mber format; phone-	context=particular phone
prefix			
Ensure that the IUT in order to present a comple	ete calling user identity	contained in the Fro	om header field,
sends an INVITE message containing a valid 'te			
prefix.			· · ·
Comments:			
User Equipment	Te	st Equipment	
	→ IN\	/ITE	
	TP	OIP reference	Selection expression
Driginating_user/Calling_user/SyntaxReq	TP OIP_U01_012	OIP reference clause 4.4	Selection expression PICS 1/1
Driginating_user/Calling_user/SyntaxReq Test purpose:	OIP_U01_012	clause 4.4	PICS 1/1
Driginating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From	OIP_U01_012	clause 4.4	PICS 1/1
Driginating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple	OIP_U01_012 a header field; local nun ete calling user identity	clause 4.4	PICS 1/1
Driginating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te	OIP_U01_012 a header field; local nun ete calling user identity	clause 4.4	PICS 1/1
TSS Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com.	OIP_U01_012 a header field; local nun ete calling user identity	clause 4.4	PICS 1/1
Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com. Comments:	OIP_U01_012 a header field; local nun ete calling user identity et URI in the format: tel	clause 4.4 <i>aber format, phone-c</i> contained in the Fro : local number; phon	PICS 1/1
Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com.	OIP_U01_012 a header field; local nun ete calling user identity b' URI in the format: tel Te	clause 4.4 hber format, phone-contained in the Fro contained in the Fro contained in the Fro st Equipment	PICS 1/1
Originating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com. Comments:	OIP_U01_012 a header field; local nun ete calling user identity b' URI in the format: tel Te	clause 4.4 <i>aber format, phone-c</i> contained in the Fro : local number; phon	PICS 1/1
Driginating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com. Comments:	OIP_U01_012 a header field; local nun ete calling user identity b' URI in the format: tel Te	clause 4.4 hber format, phone-contained in the Fro contained in the Fro contained in the Fro st Equipment	PICS 1/1
Driginating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com. Comments: User Equipment	OIP_U01_012 The header field; local nun ete calling user identity ete valling user identity of URI in the format: tel Ter → INV	clause 4.4 <i>aber format, phone-c</i> contained in the Fro : local number; phon st Equipment /ITE	PICS 1/1 context=domain name om header field, e-context= domain name
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Driginating_user/Calling_user/SyntaxReq Test purpose: The originating UE sends a Tel URI in the From Ensure that the IUT in order to present a comple- sends an INVITE message containing a valid 'te e.g. tel: 4711; phone-context=example.com. Comments: User Equipment TSS Driginating_user/Calling_user/SyntaxReq Test purpose:	OIP_U01_012 The header field; local nume ete calling user identity ete value in the format: tel Ter → INV TP OIP_U01_013	clause 4.4 ber format, phone-contained in the Fro contained in the Fro contained in the Fro contained reference clause 4.5	PICS 1/1 context=domain name om header field, e-context= domain name Selection expression PICS 1/1
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Test purpose: The originating UE sends a Tel URI in the From header field phone-context=particular phone context Ensure that the IUT in order to present a complete calling u sends an INVITE message containing a valid 'tel' URI in the phone-context= particular phone prefix.	ser identity contained in the From header field,
The originating UE sends a Tel URI in the From header field phone-context=particular phone context Ensure that the IUT in order to present a complete calling u sends an INVITE message containing a valid 'tel' URI in the phone-context= particular phone prefix.	ser identity contained in the From header field,
Comments:	
User Equipment	Test Equipment

100			
Originating_user/Calling_user/SyntaxReq	OIP_U01_016	clause 4.4	PICS 1/1
Test purpose:			

The originating UE sends a Tel URI in the From header field ;local number format, isub=isdn sub address, phone-context=domain name

Ensure that the IUT in order to present a complete calling user identity contained in the **From** header field, sends an INVITE message containing a valid 'tel' URI in the format: tel: local number; phone-context= domaniname e.g. tel: 4711 isub= ISDN Subadress; phone-context=example.com.

Comments: User Equipment → INVITE

5.2.1.1.2 Actions at the originating user

TSS	TP	OIP reference	Selection expression		
Originating_user/Calling_user/OrigUser	OIP_U02_001	clause 4.5.2.1	PICS 1/1		
Test purpose:					
Originating user sends a P-Preferred Identity without					
Ensure that the IUT in order to present a complete ca			erred Identity Header		
with which has been registered, but not indicating the privacy with a priv-value,					
sends an INVITE message containing a valid 'tel' or 'SIP' URI defined as USER_URI without a Privacy header					
Preconditions: The user registers the public user id	entity				
Comments:					
User Equipment	Tes	st Equipment			
	→ IN\	/ITE			

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/OrigUser	OIP_U02_002	clause 4.5.2.1	PICS 1/1
Test purpose: Originating user sends a P-Preferred Identity a Ensure that the IUT in order to present a comp with which has been registered and the user wi sends an INVITE message containing a valid 't set to "none".	lete calling user identity ishes override the defau	contained in the P-P ult settings of 'present	referred Identity Header ation restricted',
Preconditions: The user registers the public u	ser identity		
Comments:			
User Equipment		st Equipment VITE	

TSS	ТР	OIP reference	Selection expression
Originating_user/Calling_user/OrigUser	OIP_U02_003	clause 4.5.2.1	PICS 1/1
Test purpose:			
Originating user sends a P-Preferred Identity a			
Verify that the IUT sends a INVITE message w	ithout P-Preferred Ide	ntity Header and incl	udes "anonymous" in the
From header. The convention for configuring a	anonymous From head	ler described in RFC	3323 [3] and ITU-T
Recommendation Q.1912.5 [10] should be follo	owed; i.e. From: "Anony	mous"	
<sip:anonymous@anonymous.invalid>;tag= xx</sip:anonymous@anonymous.invalid>	XXXX		
Preconditions:			
 The IUT subscribes to OIR in tempora 	ary mode		
• The user overrides the default setting	of "presentation not res	stricted":	
Comments:			
User Equipment	Те	st Equipment	
		VITE	

Table 2

Values for test purposes OIP_U02_001 to OIP_U02_004

	Values for test purposes OIP_U02_001 to OIP_U02_004
	URI_USER
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= domaniname
VA_5	tel: local number; isub= ISDN Subadress
VA_6	SIP URI sip:user:password@host:port;uri-parameters?headers
VA_7	sip URI: local number @host:port;uri-parameters?headers
VA_8	sip URI: global number @host:port;uri-parameters?headers
VA_9	sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters?headers

Actions at the destination user 5.2.1.1.3

TSS	ТР	OIP reference	Selection expression
Originating_user/Calling_user/DestUser	OIP_U03_001	4.5.2.12	PICS 1/2
Test purpose:			
Terminating user receives a P-Asserted iden	tity header field		
Ensure that the terminating UE, receiving a v	alid and compatible INVI	TE message containir	ng any in the
P-Asserted-Identity header public user iden			
procedures.	, –	•	5
Comments:			
Test Equipment	User I	Equipment	
INVITE	-		
INVITE	7		

Table 3

	Values for test purposes OIP_U03_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= domaniname		
VA_5	tel: local number; isub= ISDN Subadress		
VA_6	SIP URI sip:user:password@host:port;uri-parameters?headers		
VA_7	sip URI: local number @host:port;uri-parameters?headers		
VA_8	sip URI: global number @host:port;uri-parameters?headers		
VA_9	Sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters?headers		

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/DestUser	OIP_U03_002	4.5.2.12	PICS 1/2
Test purpose:			
Terminating user receives the From header as	tel URI		
Ensure that the terminating UE, receiving a val	id and compatible INVIT	FE message containir	ng any in the From header
defined USER_URI accepts the call following the	he basic call procedures	S.	
Comments:			
Test Equipment	lleor	Equipment	
	0361	=quipinoin	
INVITE	→	-quipinont	

Table 4

	Values for test purposes OIP_U03_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= domaniname
VA_5	tel: local number; isub= ISDN Subadress
VA_6	SIP URI sip:user:password@host:port;uri-parameters?headers
VA_7	sip URI: local number @host:port;uri-parameters?headers
VA_8	sip URI: global number @host:port;uri-parameters?headers
VA_9	Sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters?headers

TSS	TP	OIP reference	Selection expression
Originating_user/Calling_user/DestUser	OIP_U03_003	4.5.2.12	PICS 1/2
Test purpose:			
Terminating user receives a From header field se	et to 'anonymous'		
Ensure that the terminating UE, receiving a valid	and compatible INVIT	TE message without	P-Asserted Identity
Header and includes "anonymous" in the From	header. The convent	ion for configuring a	anonymous From header
described in RFC 3323 [3] and ITU-T Recommen	ndation Q.1912.5 [10]	should be followed; i	.e. From: "Anonymous"
<sip:anonymous@anonymous.invalid>;tag= xxxx</sip:anonymous@anonymous.invalid>	xxx accepts the call f	ollowing the basic ca	ll procedures.
Comments:			
Test Equipment	User I	Equipment	
INVITE	→		
100 Trying	+		

5.2.2 Requirements on the originating network side

5.2.2.1 Actions at the originating P-CSCF

TSS	TP	OIP reference	Selection expression
Originating_Netw/OrigP-CSCF	OIP_N01_001	clauses 4.3.2 and	-
5 5- 5		4.5.2.2	
Test purpose:			·
The P-CSCF includes the P-Asserted Identity	if the P-Preferred Iden	ntity was received	
Ensure that the IUT, receiving a valid and com	patible INVITE messa	ge with valid URI define	ed as URI_USER and
P-Preferred Identity Header the SUT shall inc			
field in the INVITE message set to that public u	user identity.		-
Preconditions: The P-CSCF receives an initia	al request for a dialog	or a request for a stand	alone transaction, and the
request contains a P-Preferred-Identity header	field that matches on	e of the registered publi	c user identities
Comments:			
Gm	SUT	Mw	
INVITE -		→ INVITE	

Table 5

	PIXIT Values for test purposes OIP_N01_001			
	URI_USER			
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= domaniname			
VA_5	tel: local number; isub= ISDN Subadress			
VA_6	SIP URI sip:user:password@host:port;uri-parameters?headers			
VA_7	sip URI: local number @host:port;uri-parameters?headers			
VA_8	sip URI: global number @host:port;uri-parameters?headers			
VA_9	Sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters?headers			

Table 6

	PIXIT Values for test purposes OIP_N01_001			
	URI_NETWORK			
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= domaniname			
VA_5	tel: local number; isub= ISDN Subadress			
VA_6	SIP URI sip:user:password@host:port;uri-parameters?headers			
VA_7	sip URI: local number @host:port;uri-parameters?headers			
VA_8	sip URI: global number @host:port;uri-parameters?headers			
VA_9	sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters?headers			

TSS Originating_Netw/OrigP-CSCF	TP OIP_N01_002	OIP reference clauses 4.3.2 and 4.5.2.2	Selection expression
------------------------------------	--------------------------	---	----------------------

Test purpose:

The P-CSCF receives a P-Preferred Identity that not match to the registered public user identities Ensure that the IUT, receiving a valid and compatible INVITE message with a **P-Preferred Identity** Header and the request contains as P-Preferred-Identity header field that does not match one of the registered public user identities the P-CSCF shall identify the initiator of the request by a default public user identity. In particular, the P-CSCF shall include shall include URI defined as **URI_NETWORK** with a P-Asserted-Identity header field set to the default public user identity. If there is more than one default public user identity available, the P-CSCF shall randomly select one of them.

Preconditions: The P-CSCF receiption	ves an initial reque	est for a dialog or	a request for a standalor	ne transaction, and the
request contains as P-Preferred-Id	entity header field	that does not mat	ch one of the registered	public user identities
Comments:				
Gm		SUT	Mw	
INVITE	→	→	INVITE	
100 Trying	+			

Table 7

	PIXIT Values for test purposes OIP_N01_002			
	URI_NETWORK			
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= domaniname			
VA_5	tel: local number; isub= ISDN Subadress			
VA_6	SIP URI sip:user:password@host:port;uri-parameters?headers			
VA_7	sip URI: local number @host:port;uri-parameters?headers			
VA_8	sip URI: global number @host:port;uri-parameters?headers			
VA_9	sip URI: local number ; phone-context= particular phone prefix @host:port;uri-parameters?headers			

TSS	ТР	OIP reference	Selection expression
Originating_Netw/OrigP-CSCF	OIP_N01_003	clauses 4.3.2 and	-
		4.5.2.2	
Test purpose:			
The P-CSCF does not receives a P-Preferred Identit			
Ensure that the IUT, receiving a valid and compatible	e INVITE message a	and does not contain a	P-Preferred-Identity
header field the P-CSCF shall identify the initiator of			
P-CSCF shall include a P-Asserted-Identity header fi			f there is more then one
default public user identity available, the P-CSCF sha	all randomly select o	one of them.	
Preconditions: The P-CSCF receives an initial requ	est for a dialog or a	request for a standald	one transaction, and the
request contains as P-Preferred-Identity header field	that does not match	n one of the registered	public user identities
Comments:			
Gm	SUT	Mw	
INVITE -	→	INVITE	
100 Trying 🖌			

5.2.2.2 Actions at the S-CSCF serving the originating UE

TSS	ТР	OIP reference	Selection expression
Originating_Netw/OrigS-CSCF	OIP_N02_001	clauses 4.3.2;	PICS 1/8
		4.5.2.3	
Test purpose:		·	
The S-CSCF add a second P-Asserted Ide	entity Header in the INVITE		
Ensure that the IUT, receiving a valid and o	compatible INVITE message	ge with a SIP URI in th	e P-Asserted-Identity
header. In the case where the S-CSCF has	s knowledge of an associat	ted tel-URI for a SIP U	IRI contained in the
P-Asserted-Identity header received in the	request, transmits an INVI	ITE message where th	e S-CSCF shall add a
second P-Asserted-Identity header contain	ing this tel-URI.	·	
Preconditions: S-CSCF has knowledge or	f an associated tel-URI for	a SIP URI	
Comments:			
Gm	SUT	ISC/Mw	
INVITE	→ -	→ INVITE	
100 Trying	6		

5.2.2.3 Actions at the AS serving the originating user

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_001	clauses 4.5.2.4	PICS 2/2
Test purpose:			
The AS includes a Privacy header field in perma	nent mode		
Ensure that the IUT in order to present a comple	te calling user identity	v, but not indicating t	he privacy with a
priv-value, transmits an INVITE message with the	e received P-Asserted	d-Identity header and	includes a Privacy "id" or
"header" based on the subscription option perma	inent mode.	-	-
Preconditions:			
The originating user has subscribed to the OIR s	ervice in the perman	ent mode	
Comments:			
ISC	SUT	ISC	
INVITE -)	INVITE	
100 Trying 🖌			

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_002	clauses 4.5.2.4	PICS 2/4
Test purpose:			
The AS includes a Privacy header field in tem	porary mode, restric	cted	
Ensure that the IUT in order to present a comp	olete calling user iden	tity, but not indicating t	the privacy with a
priv-value, transmits an INVITE message with	the received P-Asser	ted-Identity header and	includes a Privacy "id" or
"header" based on the subscription option tem	porary mode, restricte	ed.	
Preconditions:			
The originating user has subscribed to the OIR	R service in the tempo	orary mode with default	presentation restricted
Comments:			
ISC	SUT	ISC	
		→ INVITE	
INVITE 🔶			

TSS	TP	OIP reference	Selection expression				
Originating_Netw/AS_OrigUser	OIP_N03_003	clauses 4.5.2.4	PICS 2/2				
Test purpose:							
The AS does not add a privacy value if the Privacy id was received in permanent mode							
Ensure that the IUT in order to present a complete ca	Ensure that the IUT in order to present a complete calling user identity, indicating the privacy with a priv-value "id",						
transmits an INVITE message with the received P-As	sserted -Identity hea	ader without adding a	Privacy value. The				
received Privacy value is sent based on the subscrip	tion option perman	ent mode.					
Preconditions:							
The originating user has subscribed to the OIR servi	ce in the permaner	nt mode					
Comments:							
ISC	SUT	ISC					
INVITE -	→	INVITE					
100 Trying +							

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_004	clauses 4.5.2.4	PICS 2/4
Test nurnose:			

The AS does not add a privacy value if the Privacy id was received in temporary mode, restricted Ensure that the IUT in order to present a complete calling user identity, indicating the privacy with a priv-value "id", transmits an INVITE message with the received P-Asserted -Identity header without adding a Privacy value. The received Privacy value is sent based on the subscription option temporary mode, restricted. Preconditions: The originating user has subscribed to the OIR service in the temporary mode with default presentation restricted Comments: ISC SUT ISC

INVITE 100 Trying	→ ÷	► INVITE	
TSS	ТР	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_005	clauses 4.5.2.4	PICS 2/2
Test purpose: The AS does not add a privacy value if the	e Privacy "none" was receiv	ed in permanent mod	e

The AG does not add a privacy value		y none was i	ccciveu ii	i permanent mode
Ensure that the IUT in order to preser	nt a complete	e calling user i	dentity, in	dicating the privacy with a priv-value
"none", transmits an INVITE message	e with the re	ceived P-Asse	rted Ident	ity header a Privacy value 'id' is sent. The
received Privacy value is removed ba	sed on the s	subscription op	tion perm	anent mode.
Preconditions:				
The originating user has subscribed to	o the OIR se	ervice in the pe	ermanent	mode
Comments:				
ISC		SUT		ISC
INVITE	→		→	INVITE
100 Trying	←			

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03	_006 clauses 4.5.2.4	PICS 2/4
Test purpose:			
Privacy "none" received. The AS does no	ot include a Privacy val	lue in the sent INVITE in te	mporary mode restricted
Ensure that the IUT in order to present a	complete calling user	identity, indicating the priv	vacy with a priv-value
"none", transmits an INVITE message w	ith the received P-Ass	erted -Identity header witho	out adding a Privacy value.
The received Privacy value is sent based	I on the subscription or	otion temporary mode restri	cted.
Preconditions:			
originating user has subscribed to the OI	R service in the tempo	orary mode with default va	ue "presentation
restricted"			
Comments:			
ISC	SUT	ISC	
INVITE	→	→ INVITE	

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_007	clauses 4.5.2.4	PICS 2/4
Tast nurnasa:			

Test purpose: Privacy "id" received. The AS does not include a Privacy value in the sent INVITE in **temporary mode restricted** Ensure that the IUT in order to present a complete calling user identity, indicating the privacy with a priv-value "id", transmits an INVITE message with the received P-Asserted -Identity header without adding a Privacy value. The received Privacy value is sent based on the subscription option temporary mode restricted. Preconditions: originating user has subscribed to the OIR service in the temporary mode with default value "presentation restricted" Comments: ISC SUT ISC INVITE → INVITE → 100 Trying ←

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_008	clauses 4.5.2.4	PICS 2/3
Test purpose:	·		
No privacy received. The AS does not include a	Privacy value in the se	ent INVITE in the tem	porary mode not
restricted			
Ensure that the IUT in order to present a comple	ete calling user identity	, but not indicating t	he privacy with a
priv-value, transmits an INVITE message with the	ne received P-Asserted	I -Identity header. No	Privacy value is sent.
Preconditions:			
The originating user has subscribed to the OIR s restricted"	service in the tempora	ry mode with default v	alue "presentation not
Comments:			
ISC	SUT	ISC	
INVITE -	→	INVITE	

TSS	ТР	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_009	clause 4.5.2.4	PICS 2/3
Test purpose:			
Privacy "none" received. The AS does not	t include a Privacy value il	n the sent INVITE in the	temporary mode not
restricted			
Ensure that the IUT in order to present a c			
"none", transmits an INVITE message wi	th the received P-Asserted	d -Identity header. The	received Privacy value is
sent.			
Preconditions:			
priginating user has subscribed to the OIR	R service in the temporary	mode with default value	e "presentation not
restricted"			
Comments:			
	SUT	ISC	
ISC			
ISC INVITE	→	→ INVITE	

TSS	TP	OIP reference	Selection expression
Driginating_Netw/AS_OrigUser	OIP_N03_010	clause 4.5.2.4	PICS 2/3
est purpose:			_
Privacy "id" received. The AS does not include	e a Privacy value in the s	ent INVITE in the ten	nporary mode not
estricted			
insure that the IUT in order to present a com			
ransmits an INVITE message with the receive Preconditions:	ed P-Asserted-Identity ne	eader. The received P	rivacy value is sent.
	vice in the temperant	ada with default valu	- "nrocentation not
priginating user has subscribed to the OIR ser restricted"	rvice in the temporary in	iode with default valu	e presentation not
Comments: SC	SUT	ISC	
NVITE -	•••		
100 Trying	2		
TSS Driginating_Netw/AS_OrigUser	TP OIP_N03_011	OIP reference clause 4.5.2.4	Selection expression PICS 1/11
Fest purpose:			
The AS modifies the From header field to rem			
Ensure that the IUT in order to present a com	plete calling user identity	, indicating the priva	acy with a priv-value "id",
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo	plete calling user identity ove the identification info	, indicating the priva	
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the	plete calling user identity ove the identification info	, indicating the priva	
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the Preconditions:	plete calling user identity ove the identification info ne From header field to re	, indicating the priva rmation. emove the identification	on information.
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the Preconditions: priginating user has subscribed to the OIR ser	plete calling user identity ove the identification info ne From header field to re	, indicating the priva rmation. emove the identification	on information.
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the Preconditions: priginating user has subscribed to the OIR ser estricted"	plete calling user identity ove the identification info ne From header field to re	, indicating the priva rmation. emove the identification	on information.
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the Preconditions: originating user has subscribed to the OIR ser estricted"	plete calling user identity ove the identification info ne From header field to re rvice in the temporary mo	, indicating the priva rmation. emove the identification ode with default value	on information.
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the Preconditions: originating user has subscribed to the OIR ser estricted" Comments: SC	plete calling user identity ove the identification info ne From header field to re rvice in the temporary mo SUT	, indicating the priva rmation. emove the identification ode with default value	on information.
Ensure that the IUT in order to present a complex AS modifies the From header field to remorn ransmits an INVITE message and modifies the Preconditions: priginating user has subscribed to the OIR servestricted" Comments: SC NVITE →	plete calling user identity ove the identification info ne From header field to re rvice in the temporary mo	, indicating the priva rmation. emove the identification ode with default value	on information.
Ensure that the IUT in order to present a complex AS modifies the From header field to remove the AS modifies the From header field to remove the the Preconditions: Preconditions: priginating user has subscribed to the OIR servestricted" Comments: SC NVITE →	plete calling user identity ove the identification info ne From header field to re rvice in the temporary mo SUT	, indicating the priva rmation. emove the identification ode with default value	on information.
Ensure that the IUT in order to present a comp he AS modifies the From header field to remo- ransmits an INVITE message and modifies the Preconditions: originating user has subscribed to the OIR ser- estricted" Comments: SC NVITE →	plete calling user identity ove the identification info ne From header field to re rvice in the temporary mo SUT	, indicating the priva rmation. emove the identification ode with default value	on information.

Ensure that the IUT, receiving a valid and compatible INVITE message the information in the From header does not match with any of the registered public identities. The IUT replaces the user-provided identity in the From header fields with one that includes the default public user identity and transmits an INVITE message with From header with the default public user identity.

Preconditions:					
"no screening" special arrange	ement does not exis	st with the orig	ginating u	ser	
Comments:					
ISC		SUT		ISC	
INVITE	→		→	INVITE	
100 Trying	+				

TSS	ТР	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_013	clauses 4.5.2.4	NOT PICS 2/6 AND
			PICS 1/6
Test purpose:			
Special arrangement does not exist. The AS pass	on the From heade	r.	
Ensure that the IUT, receiving a valid and compat	ible INVITE messag	e the information in th	e From header matches
one of the registered public user identities. The IU	IT does not replace	the user-provided ider	tity in the From header and
transmits an INVITE message with From header v	with the received val	ue.	
Preconditions:			
"no screening" special arrangement does not ex	ist with the originati	ng user	
Comments:			
ISC	SUT	ISC	
	-	INVITE	
100 Trying 🖌			

TSS	ТР	OIP reference	Selection expression				
Originating_Netw/AS_OrigUser	OIP_N03_014	clauses 4.5.2.4	PICS 2/6				
Test purpose:							
Special arrangement exists. The AS pass on the Fro	om header.						
Ensure that the IUT, receiving an INVITE message a							
content of the received From header. The received From header does not contain a public user identity of the served							
user and is sent as recived.							
Preconditions:							
"no screening" special arrangement exists with the	originating user						
Comments:							
ISC	SUT	ISC					
INVITE →	→	INVITE					
100 Trying 🗧 🗲							

TSS Originating_Netw/AS_OrigUser	TP OIP_N03_015	OIP reference clauses 4.5.2.4	Selection expression PICS 1/10 AND PICS 2/2
Test purpose: <i>The AS modifies the content of the From header if th</i> Ensure that the AS modifies the content of the From			

permanent mode. Preconditions: Served user subscribes to the OIR service in permanent mode Comments: ISC SUT INVITE → 100 Trying

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_016	clauses 4.5.2.4	PICS 1/10 AND PICS 2/4
Test purpose:			
The AS modifies the content of the From header resticted.	r if the user subsribes	to OIRservice in temp	oorary mode default
Ensure that the AS modifies the content of the F temporary mode default resticted mode and no I			to the OIR service in
Preconditions:		0.100	
Served user subscribes to the OIR service in ter	nporary mode default	resticted	
Comments:			
ISC	SUT	ISC	
INVITE ->	-	INVITE	
100 Trying 🗧 🗧 🗲			

TSS	ТР	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_017	clauses 4.5.2.4	PICS 1/11 AND PICS 2/3
Test purpose:			
The AS modifies the content of the From h	neader if the user subsribe	s to OIR in temporary	mode default not restricted.
Ensure that the AS modifies the content of			
temporary mode default not resticted and	the Privacy value id" or "he	eader" was received.	
Preconditions:	•		
Served user subscribes to the OIR service	in temporary mode defau	It not resticted	
Comments:	1 2		
ISC	SUT	ISC	
INVITE	→		
100 Trying			

Test purpose:

TSS

The AS includes the Pivacy value 'user' if the user subsribes to OIR service in permanent mode. Ensure that the AS includes the Privacy value 'user' if the served user is subscribed to the OIR service in permanent mode. Preconditions: Served user subscribes to the OIR service in permanent mode Comments: ISC SUT ISC INVITE → → INVITE 100 Trying ←

TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_OrigUser	OIP_N03_019	clauses 4.5.2.4	PICS 1/9 AND PICS 2/4
Test purpose:			
The AS includes the Pivacy value 'user' if the	he user subsribes to OIR s	service in temporary m	ode default resticted.
Ensure that the AS includes the Privacy val			
mode default restricted and no Privacy valu			. ,
Preconditions:			
Served user subscribes to the OIR service	in temporary mode defaul	t restricted	
Comments:			
ISC	SUT	ISC	
INVITE -	→ -	INVITE	
100 Trying	F		

Interactions with not trusted network SIP based networks 5.2.2.4

TSS		TP		OIP reference	Selection expression
Originating_Netw/NotTrusNe	tw	OIP_N04_00	1	clauses 4.5.2.7;	PICS 1/4
0 0-				4.5.2.8, 4.7.3	
Test purpose:		•			
The IBCF removes the P-Ass	serted-Identity heade	r field set to the p	ublic i	user identity.	
Ensure that the IUT removes	the P-Asserted-Iden	tity header fields	from t	he SIP requests an	d SIP responses.
Preconditions:		-		·	
The another SIP based netwo	ork is not trusted net	work			
Comments:					
Mx		SUT		lc	
INVITE	→		→	INVITE	
100 Trying	+				
180 Ringing	+		←	180 Ringing	
200 OK INVITE			←	200 OK INVITE	
ACK	→		→	ACK	
BYE	→		→	BYE	
200 OK BYE	+		←	200 OK BYE	

5.2.2.5 Actions at the AS serving the terminating UE

TSS		TP		OIP reference	Selection expression
Originating_Netw/AS_TermUser		OIP_N05_	001	clause 4.5.2.9	NOT PICS 2/1
Test purpose:					
The terminating user does not subs	cribe the OIP	service, no P-A	Asserted-	Identity is received	d.
Ensure that if a terminating user doe					
Privacy header fields included in the					
Preconditions: terminating user do	es not subscri	be to OIP serv	/ice		
Comments:					
ISC		SUT		ISC	
INVITE	→		→	INVITE	
100 Trying	←				

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TSS	TP	OIP reference	Selection expression
Originating_Netw/AS_TermUser	OIP_N05_0	02 clause 4.5.2.9	NOT PICS 2/1 AND
			PICS 1/7
Test purpose:			
The terminating user does not subscribe the	e OIP service, the As a	anonymise the contents o	of the From header.
Ensure that if a terminating user does not s			
Privacy header fields included in the reques	st and anonymous the	contents of the From hea	ader by setting it to a default
non significant value.			
Preconditions:			
	service		
terminating user does not subscribe to OIP	service		
terminating user does not subscribe to OIP Comments:	service SUT	ISC	
Preconditions: terminating user does not subscribe to OIP Comments: ISC INVITE	SUT	ISC → INVITE	

TSS		TP	OIP reference	Selection expression
Originating_Netw/AS_TermUse	r	OIP_N05_00	3 clause 4.5.2.9	PICS 2/5
Test purpose:				
Terminating user has the overri	de category			
Ensure that the IUT, if the termi		n override categor	y, sends the P-Asserte	d-Identity headers and
remove the Privacy header field				
Preconditions: terminating use	r has an override	category		
Comments:				
ISC		SUT	ISC	
INVITE	→		→ INVITE	
100 Trying	←			

6 Compliance

An ATS which complies with this TSS&TP specification shall:

- a) consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 5;
- b) use a TSS which is an appropriate subset of the whole of the TSS specified in clause 4;
- c) use the same naming conventions for the test groups and test cases;
- d) maintain the relationship specified in clause 5 between the test groups and TPs and the entries in the PICS proforma to be used for test case deselection;
- e) comply with ISO/IEC 9646-2 [9].

In the case of a) or b) above, a subset shall be used only where a particular Abstract Test Method (ATM) makes some TPs untestable. All testable TPs from clause 5 shall be included in a compliant ATS.

• ETSI EN 300 089: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".

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- ETSI EN 300 090: "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Service description".
- IETF RFC 3325: "Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks".
- IETF RFC 3966: "The tel URI for Telephone Numbers".

History

Document history			
V2.1.1	March 2010	Publication	

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