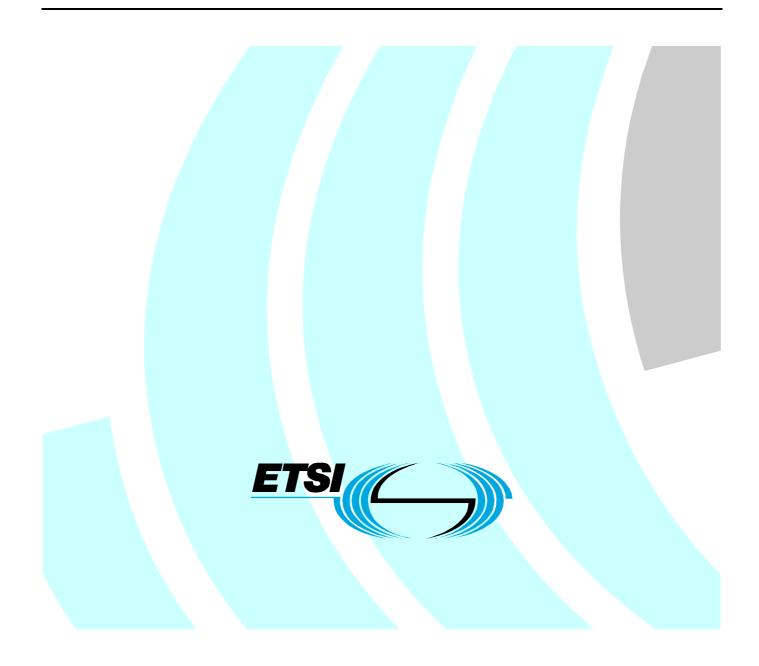
# ETSI TS 186 006-2 V3.1.1 (2011-07)

**Technical Specification** 

Technical Committee for IMS Network Testing (INT); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 2: Test Suite Structure and Test Purposes (TSS&TP)



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Keywords testing, TSS&TP, OIP, OIR

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### Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee 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)".

### 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 124 607 [1].

A further part of the present document 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 1 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 specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

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### 2.1 Normative references

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

- [1] ETSI TS 124 607 (V8.4.0): "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 version 8.4.0 Release 8)".
- [2] ETSI TS 186 006-1: "Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) Part 1: Protocol Implementation Conformance Statement (PICS)".
- [3] IETF RFC 3323: "A Privacy Mechanism for the Session Initiation Protocol (SIP)".

### 2.2 Informative references

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 TS 124 607 [1] and the following apply:

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

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].

### 3.2 Abbreviations

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

NNI	Network-Network Interface
TSS	Test Suite Structure

## 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 1: Test suite structure

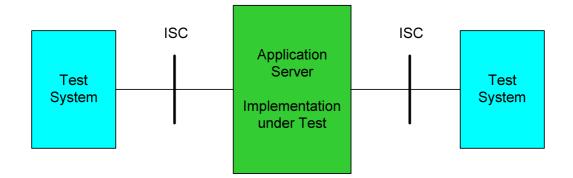
## 4.1 Configuration

The scope of the current specification is to test the signalling and procedural aspects of the stage 3 requirements as described in 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:

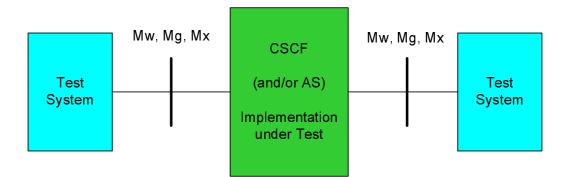
#### 4.1.1 Testing of the AS

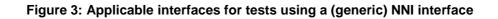
The AS entity is responsible for performing and managing services. The ISC interface is the appropriate access point for testing.





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 3). 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.





#### 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 has been chosen.

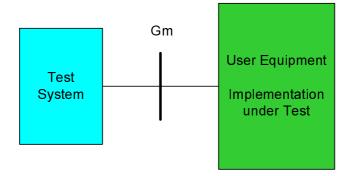


Figure 4: Applicable configuration to test UE functionalities

## 5 Test Purposes (TP)

### 5.1 Introduction

For each test requirement a TP is defined.

#### 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 identifie	r naming	convention	scheme
-----------------------	----------	------------	--------

Identifier: <s< th=""><th>S&gt;_&lt;</th><th>iut&gt;<group>_<nnn></nnn></group></th><th></th><th></th></s<>	S>_<	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 I	representing group reference according to TSS
<nnn></nnn>	=	sequential number	(001 to 999)	

#### 5.1.2 Test strategy

As the base standard 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 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

All PICS items referred to in this clause are as specified in 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 1/1
Test purpose:		·	
Originating user sends a P-Preferred Ide	entity.		
Ensure that the IUT, in order to present	a complete calling user identit	ty with which is registe	red,
sends an INVITE message containing a	P-Preferred-Identity header	with valid 'tel' or 'SIP'	URI defined as USER_URI.
Preconditions:			
The user registers the public user identit	ty.		
Comments:			
User Equipment		Test Equipme	nt
	•	• •	

9

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". Preconditions: The user registers the public user identity. The user has subscribed to OIR temporary mode, default value 'presentation restricted'. Comments: User Equipment **Test Equipment** INVITE → INVITE User/Calling\_User TP **OIP** reference Selection expression

OIP\_U01\_003 clause 4.5.2.1 PICS 1/1, 2/3 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 RFC 3323 [3] and should be followed; i.e. From: "Anonymous" <sip:anonymous@anonymous.invalid>;tag= xxxxxx. Preconditions: The user has subscribed to OIR temporary mode, default value 'presentation restricted'. Comments: User Equipment **Tert Equipment** 

#### Table 2

INVITE

	Values for test purposes OIP_U02_001 to OIP_U02_003			
	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	ТР	OIP reference	Selection expression
User/Called_User	OIP_U02_001		PICS 1/2
Test purpose:			
Terminating user receives a P-Asserte			
Ensure that the terminating UE, receivi	ng a valid and compatible INV	ITE message containir	g one P-Asserted-Identity
header indicating a public user identity	defined as URI_USER, accep	ts the call following the	basic call procedures.
Comments:			
Comments: User Equipment		Test Equipme	nt

10

#### Table 3

	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	clauses 4.5.2.4	PICS 2/2
Test purpose:			
The AS includes a Privacy header field in permane			
Ensure that the IUT, on receipt of an INVITE without "id".	ut Privacy header, tr	ansmits an INVITE wi	th a Privacy header set to
Preconditions:			
The originating user has subscribed to the OIR ser The subscription option Restriction is set to 'restrict			
Comments:			
Test equipment	AS	Test equipmen	nt
INVITE -	→	INVITE	
100 Trying 🖌			
TSS	TP	OIP reference	Selection expression
Network /AS_OrigUser	OIP_N01_002	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser Test purpose:	OIP_N01_002		
Network /AS_OrigUser Test purpose: The AS includes a Privacy header field in permane	OIP_N01_002	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser Test purpose: The AS includes a Privacy header field in <b>permane</b>	OIP_N01_002	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser <b>Test purpose:</b> <i>The AS includes a Privacy header field in permane</i> Ensure that the IUT, on receipt of an INVITE withou "header".	OIP_N01_002	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser Test purpose: The AS includes a Privacy header field in permane Ensure that the IUT, on receipt of an INVITE withou "header". Preconditions:	OIP_N01_002 ent mode. ut Privacy header, tr	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser <b>Test purpose:</b> <i>The AS includes a Privacy header field in permane</i> Ensure that the IUT, on receipt of an INVITE withou "header".	OIP_N01_002 ent mode. ut Privacy header, tr	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser Test purpose: The AS includes a Privacy header field in permane Ensure that the IUT, on receipt of an INVITE withou "header". Preconditions: The originating user has subscribed to the OIR ser	OIP_N01_002 ent mode. ut Privacy header, tr	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser Test purpose: The AS includes a Privacy header field in permane Ensure that the IUT, on receipt of an INVITE without "header". Preconditions: The originating user has subscribed to the OIR ser The subscription option Restriction is set to 'restrict Comments:	OIP_N01_002 ent mode. ut Privacy header, tr	clauses 4.5.2.4	PICS 2/2
Network /AS_OrigUser Test purpose: The AS includes a Privacy header field in permane Ensure that the IUT, on receipt of an INVITE without "header". Preconditions: The originating user has subscribed to the OIR ser The subscription option Restriction is set to 'restrict	OIP_N01_002 ent mode. ut Privacy header, tr vice in the permane t all private informati	clauses 4.5.2.4 ransmits an INVITE with the sent mode. tion appearing in head	PICS 2/2

TSS		TP	OIP reference	Selection expression
Network/AS_OrigUser		OIP_N01_003	clauses 4.5.2.4	PICS 2/2
<b>Test purpose:</b> The AS removes Privacy heade	er field "none" in <b>p</b>	ermanent mode.		
Ensure that the IUT, on receipt Privacy header set to "id".			to " <b>none</b> ", transmits a	n INVITE with only one
Preconditions: The originating user has subscr The subscription option Restrict				
Comments:				
Test equipment	<b>→</b>	AS 🔶	<b>Test equipmen</b> INVITE	t
	-			
INVITE 100 Trying	÷			
	<b>+</b>	ТР	OIP reference	Selection expression

 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 "header".

 Preconditions:

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

 The subscription option Restriction is set to 'restrict all private information appearing in headers'.

 Comments:

 Test equipment

 INVITE

 AS

 Test equipment

 INVITE

←

100 Trying

TSS		TP	(	OIP reference	Selection expression
Network/AS_OrigUser		OIP_N01_005	; (	clauses 4.5.2.4	PICS 1/5, 2/2
Test purpose:					
The AS anonymizes the identity in					
Ensure that the IUT, on receipt of a	in INVITE, tran	smits an INVITE v	vith a l	Privacy header set	to " <b>user</b> " or transmits an
INVITE with the From header anon	ymized.				
Preconditions:					
The originating user has subscribed	d to the OIR se	rvice in the perma	anent	mode.	
Comments:					
Test equipment		AS		Test equipmer	nt
INVITE	<b>→</b>		→	INVITE	
100 Trying	+				

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_006	clauses 4.5.2.4	PICS 2/4
Test purpose:			
The AS includes a Privacy header field in tempo	rary mode, restricte	ed.	
Ensure that the IUT, on receipt of an INVITE with "id".	out Privacy header,	transmits an INVITE w	ith a Privacy header set to
Preconditions:			
The originating user has subscribed to the OIR s	ervice in the tempor	ary mode with default	presentation restricted.
The subscription option Restriction is set to 'restr	ict the asserted iden	tity'.	
Comments:			
Test equipment	AS	Test equipmer	nt
INVITE -	-	INVITE	
100 Trying 🗧 🗧 🗲			

TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_007	clauses 4.5.2.4	PICS 2/4
Test purpose:		•	
The AS includes a Privacy header field in <b>t</b> e	emporary mode, restricte	d.	
Ensure that the IUT, on receipt of an INVITI	E without Privacy header, t	ransmits an INVITE wi	ith a Privacy header set to
'header".	-		-
Preconditions:			
The originating user has subscribed to the (			
The subscription option Restriction is set to	'restrict all private informat	ion appearing in head	ers'.
Comments:			
Test equipment	AS	Test equipmer	nt
	→ →	INVITE	
100 Trying	<del>E</del>		
TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_008	clauses 4.5.2.4	PICS 2/4
Fest purpose:	•		L. C.
	emporary mode, restricte	d.	
The AS includes a Privacy header field in <b>t</b> e			ner than " <b>none</b> ", transmits
The AS includes a Privacy header field in te Ensure that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id"	E with a Privacy header pre		ner than " <b>none</b> ", transmits
The AS includes a Privacy header field in te Ensure that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id"	E with a Privacy header pre		ner than " <b>none</b> ", transmits
The AS includes a Privacy header field in <b>te</b> Ensure that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions:	E with a Privacy header pre	esent set to a value oth	
The AS includes a Privacy header field in <b>te</b> Ensure that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the 0	E with a Privacy header pre	esent set to a value oth ry mode with default	
The AS includes a Privacy header field in <b>t</b> e Ensure that the IUT, on receipt of an INVITI	E with a Privacy header pre	esent set to a value oth ry mode with default	
The AS includes a Privacy header field in te Ensure that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the 0 The subscription option Restriction is set to Comments:	E with a Privacy header pre	esent set to a value oth <b>ry mode</b> with default ty'.	presentation restricted.
The AS includes a Privacy header field in te Ensure that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the 0 The subscription option Restriction is set to Comments: Test equipment	E with a Privacy header pre OIR service in the <b>tempora</b> 'restrict the asserted identi	esent set to a value oth <b>ry mode</b> with default ty'. <b>Test equipmer</b>	presentation restricted.
The AS includes a Privacy header field in terms and the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the Content of the subscription option Restriction is set to Comments: Test equipment NVITE	E with a Privacy header pre OIR service in the <b>tempora</b> 'restrict the asserted identi <b>AS</b>	esent set to a value oth <b>ry mode</b> with default ty'. <b>Test equipmer</b>	presentation restricted.
The AS includes a Privacy header field in terms in the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the Office subscription option Restriction is set to Comments: Test equipment NVITE	E with a Privacy header pre OIR service in the <b>tempora</b> 'restrict the asserted identi AS	esent set to a value oth <b>ry mode</b> with default ty'. <b>Test equipmer</b>	presentation restricted.
The AS includes a Privacy header field in terms in that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the Comments: Test equipment NVITE 100 Trying	E with a Privacy header pre OIR service in the <b>tempora</b> 'restrict the asserted identi AS	esent set to a value oth <b>ry mode</b> with default ty'. <b>Test equipmer</b>	presentation restricted.
The AS includes a Privacy header field in terms includes a Privacy header field in terms in the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the Comments: Test equipment NVITE 100 Trying TSS	E with a Privacy header pre	esent set to a value oth <b>ry mode</b> with default ty'. <b>Test equipmer</b> INVITE	presentation restricted.
The AS includes a Privacy header field in terms in that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the O The subscription option Restriction is set to Comments: Test equipment NVITE 00 Trying TSS Network/AS_OrigUser	E with a Privacy header pre OIR service in the <b>tempora</b> 'restrict the asserted identi AS → →	esent set to a value oth <b>ry mode</b> with default ty'. <b>Test equipmer</b> INVITE <b>OIP reference</b>	presentation restricted.
The AS includes a Privacy header field in terms includes a Privacy header field in terms in the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the O Comments: Test equipment NVITE 100 Trying TSS Network/AS_OrigUser Test purpose:	E with a Privacy header pre	esent set to a value of ry mode with default ty'. Test equipmer INVITE OIP reference clauses 4.5.2.4	presentation restricted.
The AS includes a Privacy header field in terms includes a Privacy header field in terms in the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the O Comments: Test equipment NVITE 100 Trying TSS Network/AS_OrigUser The AS includes a Privacy header field in terms	E with a Privacy header pre	esent set to a value of ry mode with default ty'. Test equipmer INVITE OIP reference clauses 4.5.2.4 d.	presentation restricted. It Selection expression PICS 2/4
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The AS includes a Privacy header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the O The subscription option Restriction is set to Comments: Test equipment NVITE 00 Trying TSS Network/AS_OrigUser The AS includes a Privacy header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITIE and INVITIE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITIE and INVITIE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITIE and INVITIE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITIE and INVITIE with a Privacy header set to "header field in terms terms that the IUT, on receipt of an INVITIE and INVITIE with a Privacy header set to "header field in terms term	E with a Privacy header pre	esent set to a value of ry mode with default ty'. Test equipmer INVITE OIP reference clauses 4.5.2.4 d.	presentation restricted. It Selection expression PICS 2/4
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The AS includes a Privacy header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "id" Preconditions: The originating user has subscribed to the O Comments: Test equipment NVITE O0 Trying TSS Network/AS_OrigUser The AS includes a Privacy header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header set to "header field in terms that the IUT, on receipt of an INVITI an INVITE with a Privacy header field in terms that the IUT, on receipt of an INVITI and the IUT, on	E with a Privacy header pre	DIP reference     clauses 4.5.2.4      d.      sent set to a value oth	presentation restricted. T Selection expression PICS 2/4 her than "none", transmits presentation restricted.
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TSS		TP		OIP reference	Selection expression
Network/AS_OrigUser		OIP_N01_0	010	clauses 4.5.2.4	PICS 1/5, 2/4
Test purpose:					
The AS anonymizes the identity in peri	manent mo	de.			
Ensure that the IUT, on receipt of an IN	IVITE, trans	smits an INVIT	E with a	Privacy header set	to " <b>user</b> " or transmits an
INVITE with the From header anonymiz	zed.			·	
Preconditions:					
The originating user has subscribed to t	the OIR ser	rvice in the per	manent	mode.	
Comments:					
Test equipment		AS		Test equipmer	nt
INVITE	<b>→</b>		→	INVITE	
100 Trying	4				

TSS	ТР	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_011	clauses 4.5.2.4	PICS 1/5, 2/3, 2/6
Test purpose:			
The AS anonymizes the identity in temporary mo			
Ensure that the IUT, on receipt of an INVITE with a	a Privacy header set	to "Id", transmits an IN	IVITE with the From
header anonymized.			
Preconditions:			
The originating user has subscribed to the OIR set			ot restricted.
The originating user has subscribed to the "no sci	reening special an	angement.	
Comments:			
Test equipment	AS	Test equipment	
INVITE	<b>→</b>	INVITE	
100 Trying $\leftarrow$			
TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_012	clauses 4.5.2.4	PICS 1/5, 2/3, 2/6
Test purpose:			
The AS anonymizes the identity in temporary mo	de. not restricted.		
Ensure that the IUT, on receipt of an INVITE with a		to "header", transmits	an INVITE with the From
header anonymized.	,,,	,	
Preconditions:			
The originating user has subscribed to the OIR set			ot restricted.
The originating user has subscribed to the "no sci	reening" special ari	angement.	
Comments:			
Test equipment	AS	Test equipment	
INVITE →	→	INVITE	
100 Trying ←			
TSS	TP	OIP reference	Selection expression
Network/AS_OrigUser	OIP_N01_013	clauses 4.5.2.4	PICS 1/7, 2/3, NOT 2/6
Test purpose:			PICS 1/7, 2/3, NOT 2/6
Test purpose: The AS replaces the identity in temporary mode,	not restricted.	clauses 4.5.2.4	- <u>-</u>
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a	not restricted. a Privacy header set	clauses 4.5.2.4	om header containing an
<b>Test purpose:</b> The AS replaces the identity in <b>temporary mode</b> , Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re	<b>not restricted.</b> a Privacy header set egistered public ident	clauses 4.5.2.4	om header containing an
<b>Test purpose:</b> The AS replaces the identity in <b>temporary mode</b> , Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re containing the default public user identity of the origination.	<b>not restricted.</b> a Privacy header set egistered public ident	clauses 4.5.2.4	om header containing an
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re containing the default public user identity of the ori <b>Preconditions:</b>	not restricted. a Privacy header set egistered public ident iginating user.	clauses 4.5.2.4 to " <b>id</b> " and with the Fraities, transmits an INV	om header containing an ITE with the From header
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re containing the default public user identity of the ori <b>Preconditions:</b> The originating user has subscribed to the OIR set	not restricted. a Privacy header set egistered public ident iginating user. rvice in the <b>tempora</b>	clauses 4.5.2.4 to "id" and with the Fraities, transmits an INV	om header containing an ITE with the From header
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re- containing the default public user identity of the ori Preconditions: The originating user has subscribed to the OIR set The originating user has <b>not</b> subscribed to the "not	not restricted. a Privacy header set egistered public ident iginating user. rvice in the <b>tempora</b>	clauses 4.5.2.4 to "id" and with the Fraities, transmits an INV	om header containing an ITE with the From header
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re- containing the default public user identity of the ori Preconditions: The originating user has subscribed to the OIR set The originating user has <b>not</b> subscribed to the "no	not restricted. a Privacy header set egistered public ident iginating user. rvice in the <b>tempora</b>	clauses 4.5.2.4 to "id" and with the Fr ities, transmits an INV ry mode with default n I arrangement.	om header containing an ITE with the From header ot restricted.
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re- containing the default public user identity of the ori Preconditions: The originating user has subscribed to the OIR set The originating user has not subscribed to the "no Comments: Test equipment	not restricted. a Privacy header set egistered public ident iginating user. rvice in the <b>tempora</b>	clauses 4.5.2.4 to "id" and with the Fraities, transmits an INV	om header containing an ITE with the From header ot restricted.
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re- containing the default public user identity of the ori Preconditions: The originating user has subscribed to the OIR ser The originating user has not subscribed to the "no Comments: Test equipment INVITE →	not restricted. a Privacy header set egistered public ident iginating user. rvice in the tempora o screening" specia	clauses 4.5.2.4 to "id" and with the Fr ities, transmits an INV ry mode with default n I arrangement.	om header containing an ITE with the From header ot restricted.
Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re- containing the default public user identity of the ori Preconditions: The originating user has subscribed to the OIR ser The originating user has not subscribed to the "no Comments: Test equipment INVITE →	not restricted. a Privacy header set egistered public ident iginating user. rvice in the tempora o screening" specia	clauses 4.5.2.4 to "id" and with the Fr ities, transmits an INV ry mode with default n I arrangement. Test equipment	om header containing an ITE with the From header ot restricted.
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Test purpose: The AS replaces the identity in temporary mode, Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's re- containing the default public user identity of the ori Preconditions: The originating user has subscribed to the OIR set The originating user has not subscribed to the "no Comments: Test equipment INVITE → 100 Trying ←	not restricted. a Privacy header set egistered public ident iginating user. rvice in the temporal o screening" specia AS →	clauses 4.5.2.4 to "id" and with the Fr ities, transmits an INV ry mode with default n I arrangement. Test equipment INVITE	om header containing an ITE with the From header ot restricted.
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         TSS	not restricted. a Privacy header set egistered public ident iginating user. rvice in the temporal o screening" specia AS →	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default n         I arrangement.         Test equipment         INVITE	om header containing an ITE with the From header ot restricted.
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         TSS         Network/AS_OrigUser	not restricted. a Privacy header set egistered public ident iginating user. rvice in the temporal o screening" specia AS →	clauses 4.5.2.4 to "id" and with the Fr ities, transmits an INV ry mode with default n I arrangement. Test equipment INVITE	om header containing an ITE with the From header ot restricted.
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         TSS         Network/AS_OrigUser         Test purpose:	not restricted. a Privacy header set egistered public ident iginating user. rvice in the temporal o screening" specia AS → TP OIP_N01_014	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default n         I arrangement.         Test equipment         INVITE	om header containing an ITE with the From header ot restricted.
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,	not restricted. a Privacy header set egistered public ident iginating user. rvice in the temporal o screening" specia AS → TP OIP_N01_014 not restricted.	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default n         I arrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a	not restricted. a Privacy header set egistered public ident iginating user. rvice in the temporal o screening" specia AS → TP OIP_N01_014 not restricted. a Privacy header set	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default n         I arrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with t	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the originating user	not restricted. a Privacy header set egistered public ident iginating user. rvice in the tempora o screening" specia AS → TP OIP_N01_014 not restricted. a Privacy header set hating user's registered	clauses 4.5.2.4         to "id" and with the Fritities, transmits an INV         ry mode with default in arrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with t         to public identities, training	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header
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Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the ori         Preconditions:         The originating user has subscribed to the OIR set         The originating user has not subscribed to the "not comments:         Test equipment         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin         From header containing the default public user ide         Preconditions:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin         From header containing the default public user ide         Preconditions:         The originating user has subscribed to the OIR set	not restricted. a Privacy header set egistered public ident iginating user. rvice in the tempora o screening" specia AS → TP OIP_N01_014 not restricted. a Privacy header set nating user's registered entity of the originatin rvice in the tempora	clauses 4.5.2.4         to "id" and with the Fritities, transmits an INV         ry mode with default n         arrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with t         g user.         ry mode with default n	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header nsmits an INVITE with the
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the originating user has subscribed to the OIR set The originating user has not subscribed to the "not comments:         Test equipment         INVITE         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin from header containing the default public user ide         Preconditions:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin From header containing the default public user ide         Preconditions:         The originating user has subscribed to the OIR set The originating user has not subscribed to the OIR set The originating user has not subscribed to the OIR set The originating user has not subscribed to the "not public user ides the identity which is not one of the origin for the originating user has subscribed to the OIR set The originating user has not subscribed to the OIR set The originating user has not subscribed to the UR set The originating user has not subscribed to the "not public user ides the originating user has not subscribed to the "not public user ides the originating user has not subscribed to the "not public user ides the originating user has not subscribed to the "not public user ides th	not restricted. a Privacy header set egistered public ident iginating user. rvice in the tempora o screening" specia AS → TP OIP_N01_014 not restricted. a Privacy header set nating user's registered entity of the originatin rvice in the tempora	clauses 4.5.2.4         to "id" and with the Fritities, transmits an INV         ry mode with default n         arrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with t         g user.         ry mode with default n	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header nsmits an INVITE with the
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the originating user has subscribed to the OIR set the originating user has not subscribed to the "not comments:         Test equipment         INVITE         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin From header containing the default public user ide         Preconditions:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin From header containing the default public user ide         Preconditions:         The originating user has subscribed to the OIR set the originating user has not subscribed to the OIR set the originating user has not subscribed to the OIR set the originating user has not subscribed to the OIR set the originating user has not subscribed to the "not comments:	not restricted. a Privacy header set egistered public identi- iginating user. rvice in the temporal o screening" specia AS → TP OIP_N01_014 not restricted. a Privacy header set hating user's registered entity of the origination rvice in the temporal o screening" specia	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default marrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with the gustic identities, trag         g user.         ry mode with default marrangement.	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header nsmits an INVITE with the ot restricted.
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the originating user has subscribed to the OIR set The originating user has not subscribed to the "not comments:         Test equipment         INVITE         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin         From header containing the default public user ide         Preconditions:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin         From header containing the default public user ide         Preconditions:         The originating user has subscribed to the OIR set the originating user has not subscribed to the "not comments:         Test equipment	not restricted. a Privacy header set egistered public identi- iginating user. rvice in the temporal o screening" special AS → TP OIP_N01_014 not restricted. a Privacy header set hating user's registered entity of the originatin rvice in the temporal o screening" special AS	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default marrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with ted public identities, trag user.         ry mode with default marangement.         Test equipment         Test equipment         INVITE	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header nsmits an INVITE with the ot restricted.
Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a identity which is not one of the originating user's recontaining the default public user identity of the originating user has subscribed to the OIR set The originating user has not subscribed to the "not comments:         Test equipment         INVITE         INVITE         100 Trying         Test purpose:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin From header containing the default public user ide         Preconditions:         The AS replaces the identity in temporary mode,         Ensure that the IUT, on receipt of an INVITE with a containing an identity which is not one of the origin From header containing the default public user ide         Preconditions:         The originating user has subscribed to the OIR set The originating user has not subscribed to the OIR set The originating user has not subscribed to the OIR set The originating user has not subscribed to the OIR set The originating user has not subscribed to the "not Comments:	not restricted. a Privacy header set egistered public identi- iginating user. rvice in the temporal o screening" specia AS → TP OIP_N01_014 not restricted. a Privacy header set hating user's registered entity of the origination rvice in the temporal o screening" specia	clauses 4.5.2.4         to "id" and with the Fraities, transmits an INV         ry mode with default marrangement.         Test equipment         INVITE         OIP reference         clauses 4.5.2.4         to "header" and with the gustic identities, trag         g user.         ry mode with default marrangement.	om header containing an ITE with the From header ot restricted. Selection expression PICS 1/7, 2/3, NOT 2/6 he From header nsmits an INVITE with the ot restricted.

TSS		TP	OIP reference	Selection expression
Network/AS_OrigUser		OIP_N01_015	clauses 4.5.2.4	PICS NOT 1/5, 2/3, 2/6
Test purpose:				
The AS does not anonymize the identit	ty in <b>tempora</b>	ary mode, not rest	ricted.	
Ensure that the IUT, on receipt of an IN	JVITE with a	Privacy header set	to "id", transmits an IN	VITE with the From
header not anonymized.				
Preconditions:				
The originating user has subscribed to				ot restricted.
The originating user has subscribed to	the "no scre	ening" special ar	rangement.	
Comments:				
Test equipment		AS	Test equipment	
INVITE	→	→	INVITE	
100 Trying	+			
TSS		TP	OIP reference	Selection expression
Network/AS OrigUser		OIP N01 016	clauses 4.5.2.4	PICS NOT 1/5, 2/3, 2/6
Test purpose:	temporary	mode, not restrict	ed.	
Test purpose: The AS does anonymize the identity in				an INVITE with the From
Test purpose: The AS does anonymize the identity in Ensure that the IUT, on receipt of an IN				an INVITE with the From
Test purpose: The AS does anonymize the identity in Ensure that the IUT, on receipt of an IN header not anonymized. Preconditions:				an INVITE with the From

The originating user has subscribed to the **Ork service** in the **temporary mode** with The originating user has 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_017	clauses 4.5.2.4	PICS 2/3, 2/6
Test purpose:			
The AS leaves the identity unchanged in temporary	mode, not restric	ted.	
Ensure that the IUT, on receipt of an INVITE without	a Privacy header, t	ransmits an INVITE wi	th the From header
unchanged.			
Preconditions:			
The originating user has subscribed to the OIR servi			ot restricted.
The originating user has subscribed to the "no scree	ening" special arra	angement.	
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	NOT PICS 2/1
Test purpose:			
The terminating user does not subscribe the OIP s	ervice.		
Ensure that the IUT, on receipt of an INVITE with a	a Privacy header a	nd a P-Asserted-Identi	ty header, transmits an
INVITE without Privacy header and without P-Asse	erted-Identity head	er.	
Preconditions:	•		
Terminating user does not subscribe to OIP service	е		
Comments:			
Test Equipment	AS	Test Equipme	ent
INVITE -	-		
100 Trying 🗧 🗧 🗧			

TSS	TP	OIP refere	nce Selection expression
Network/AS_TermUser	OIP_N02_0	02 clause 4.5.	2.9 NOT PICS 2/1 AND
			PICS 1/8
Test purpose:			
The terminating user does not subscribe	e the OIP service, the AS	anonymizes the co	ntents of the From header.
Ensure that the IUT, on receipt of an IN	VITE with a Privacy head	er and a P-Asserted	d-Identity header, transmits an
INVITE without Privacy header and with	nout P-Asserted-Identity h	eader 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 Ec	quipment
	<b>→</b>	→ INVITE	
INVITE			

TSS	TP	OIP reference	Selection expression
Network/AS_TermUser	OIP_N02_003	clause 4.5.2.9	PICS 2/1, 2/5
Test purpose:			
Terminating user has the override category.			
Ensure that the IUT, on receipt of an INVITE with a F	Privacy header and	a P-Asserted-Identity	header, transmits an
INVITE without Privacy header and with the P-Assert	ted-Identity header	•	
Preconditions:			
Terminating user does subscribe to OIP service.			
Terminating user has an override category.			
Comments:			
Test Equipment	AS	Test Equipment	t
	→	INVITE	
100 Trying 🗧 🗲			

#### 5.2.3.3 Actions at the S-CSCF serving the terminating UE

TSS		TP	0	IP reference	Selection expression
Originating_Netw/ TermS-CSCF		OIP_N06_001	cl	ause 4.3.3	
Test purpose:					
The terminating S-CSCF acts acc					
Ensure that the IUT, on receipt of	f an INVITE with	a Privacy header	set to "i	id", transmits an	INVITE without the P-
Asserted-Identity header.					
Comments:		S_CSCF		Test Equipme	nt
Asserted-Identity header. Comments: Test Equipment INVITE	<b>→</b>	S_CSCF	<b>→</b>	<b>Test Equipme</b> INVITE	nt

#### Compliance 6

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

- consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 5; •
- use a TSS which is an appropriate subset of the whole of the TSS specified in clause 4; .
- use the same naming conventions for the test groups and test cases; •
- 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.

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.

## Annex A (informative): Bibliography

IETF RFC 2806: "URLs for Telephone Calls".

## History

Document history		
V1.1.1	July 2006	Publication
V3.1.1	July 2011	Publication