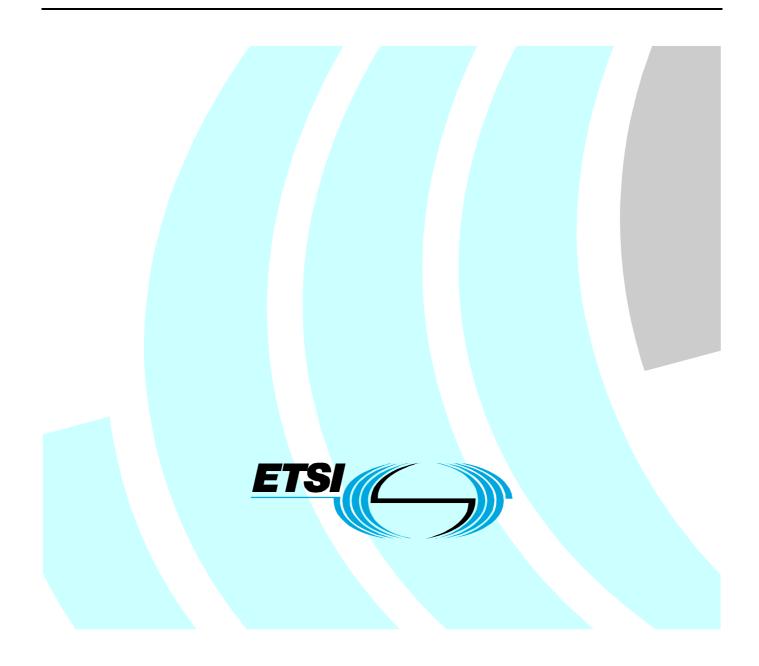
ETSI TS 186 006-2 V3.1.1 (2011-07)

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)



Reference RTS/INT-000025-2

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

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

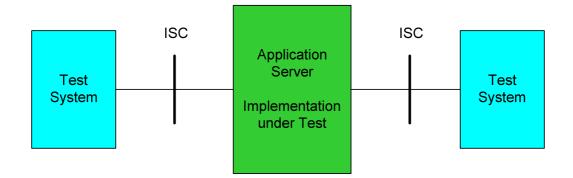
4.1 Configuration

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:

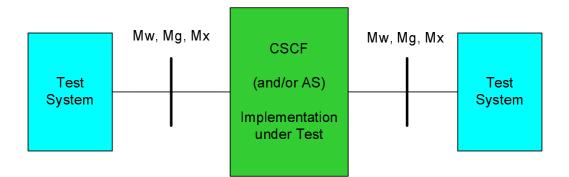
4.1.1 Testing of the AS

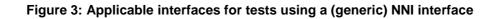
The AS entity is responsible for performing and managing services. The ISC interface is the appropriate access point for testing.





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.

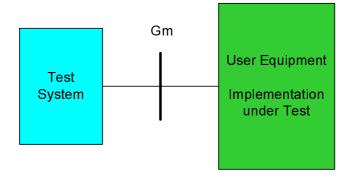


Figure 4: Applicable configuration to test UE functionalities

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>_<</th><th>iut><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 |
| | • | • • | |

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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 |

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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 permane | OIP_N01_002 | clauses 4.5.2.4 | PICS 2/2 |
| Network /AS_OrigUser Test purpose: <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 Test purpose: <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 |
| Test purpose: The AS removes Privacy heade | er field "none" in p | ermanent mode. | | |
| Ensure that the IUT, on receipt Privacy header set to "id". | | | to " none ", transmits a | n INVITE with only one |
| Preconditions: The originating user has subscr The subscription option Restrict | | | | |
| Comments: | | | | |
| Test equipment | → | AS 🔶 | Test equipmen INVITE | t |
| | - | | | |
| INVITE 100 Trying | ÷ | | | |
| | + | 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 " user " 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 | → | | → | 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 t 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 | E | | |
| | | | |
| 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 t e | | | ner than " none ", 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 " none ", 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 " none ", 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" Preconditions: | E with a Privacy header pre | esent set to a value oth | |
| 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 | E with a Privacy header pre | esent set to a value oth ry mode with default | |
| The AS includes a Privacy header field in t 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 ry mode 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 tempora 'restrict the asserted identi | esent set to a value oth ry mode with default ty'. Test equipmer | 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 tempora 'restrict the asserted identi AS | esent set to a value oth ry mode with default ty'. Test equipmer | 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 tempora 'restrict the asserted identi AS | esent set to a value oth ry mode with default ty'. Test equipmer | 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 tempora 'restrict the asserted identi AS | esent set to a value oth ry mode with default ty'. Test equipmer | 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 ry mode with default ty'. Test equipmer 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 tempora 'restrict the asserted identi AS → → | esent set to a value oth ry mode with default ty'. Test equipmer INVITE OIP reference | 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. |
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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 " user " 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 | → | | → | 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 | → | 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 |
| 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 | not restricted. 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 origination. | not restricted. a Privacy header set egistered public ident | clauses 4.5.2.4 | om header containing an |
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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 → | 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. |
| 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. |
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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 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 |
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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 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 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 tempora | 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 |
| | → | → 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 | → | S_CSCF | → | Test Equipme 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 |
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