# ETSI TS 101 596-2 V6.1.1 (2018-01)



Core Network and Interoperability Testing (INT); Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification; (3GPP<sup>™</sup> Release 12); Part 2: Test Suite Structure and Test Purposes (TSS&TP) Reference RTS/INT-00142-2

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### Foreword

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

The present document is part 2 of a multi-part deliverable covering the Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification, as identified below:

- Part 1: "Protocol Implementation Conformance Statement (PICS)";
- Part 2: "Test Suite Structure and Test Purposes (TSS&TP)".

### Modal verbs terminology

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### 1 Scope

The present document provides the Test suite structure and test purposes for the Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification (based on ETSI TS 124 608 (3GPP Release 12) [1]).

### 2 References

### 2.1 Normative references

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

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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.

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

- [1] ETSI TS 124 608: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.608 Release 12)".
- [2] ETSI TS 101 596-1: "IMS Network Testing (INT); Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification; Part 1: Protocol Implementation Conformance Statement (PICS)".

### 2.2 Informative references

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

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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.

Not applicable.

### 3 Definitions, symbols and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in [1] apply.

### 3.2 Symbols

For the purposes of the present document, the symbols given in [1] apply.

### 3.3 Abbreviations

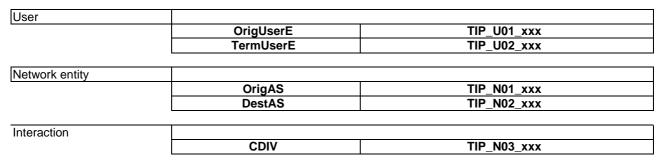
For the purposes of the present document, the abbreviations given in [1] and the following apply:

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AS	Application Server
CDIV	Communication DIVersion
CN	Core Network
CSCF	Call Session Control Function
IM	IP Multimedia
IP	Internet Protocol
ISC	IP Multimedia Subsystem Service Control
IUT	Implementation Under Test
NNI	Network-Network Interface
P-CSCF	Proxy - CSCF
SIP	Session Initiation Protocol
SUT	System Under Test
TIP	Terminating Identification Presentation
TIR	Terminating Identification Restriction
TP	Test Purposes
TSS	Test Suite Structure
UA	User Agent
UE	User Equipment
URI	Universal Resource Identifier

### 4 Test Suite Structure (TSS)

### 4.0 Table of Test suite Structure



#### Figure 4.0-1: Test suite structure

### 4.1 Configuration

### 4.1.0 Introduction

The scope of the present document is to test the signalling and procedural aspects of the stage 3 requirements as described in ETSI TS 124 608 [1]. The stage 3 description describes the requirements for several network entities and also the requirements regarding terminal devices. Therefore several interfaces (reference points) are addressed to satisfy the test of the different entities.

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

### 4.1.1 Testing of the AS

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

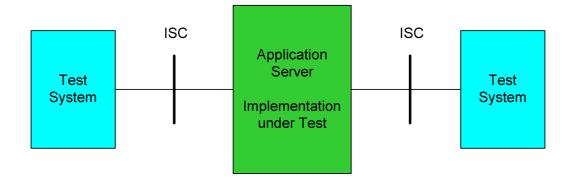
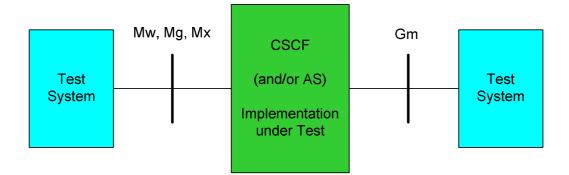
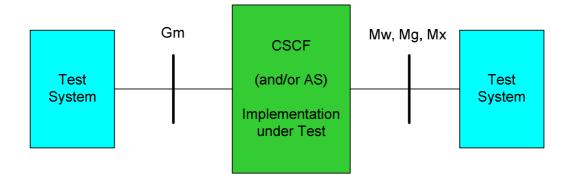


Figure 4.1.1-1: Applicable interface to test AS functionalities

If the ISC interface is not accessible it is also possible to perform the test of the terminating AS using any NNI (Mw, Mg, Mx,) interface (see figure 4.1.1-2) or originating AS using any NNI (Mw, Mg, Mx,) interface (see figure 4.1.1-3).



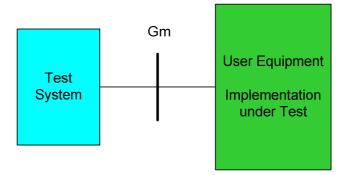
#### Figure 4.1.1-2: Applicable interfaces for tests using a (generic) NNI interface for terminating AS

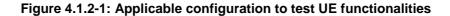


#### Figure 4.1.1-3: Applicable interfaces for tests using a (generic) NNI interface for originating AS

### 4.1.2 Testing of the UE

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





## 5 Test Purposes (TP)

### 5.1 TP naming convention

TPs are numbered, starting at 001, within each group. Groups are organized according to the TSS. Additional references are added to identify the actual test suite and whether it applies to the network or the user (see table 5.1-1).

Identifier: <ss>_<iut><group>_</group></iut></ss>	_ <nnn></nnn>	
<ss> = supplementary service:</ss>	e.g. "TIP'	
<iut> = type of IUT:</iut>	U N	User Network entity, e.g. P-CSCF
<group> = group</group>	2 digit fie	Id representing group reference according to TSS
<nnn> = sequential number</nnn>	(001-999)	

### 5.2 Test strategy

As the base standard ETSI TS 124 608 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETSI TS 101 596-1 [2].

All PICS items referred to in this clause are as specified in ETSI TS 101 596-1 [2] unless indicated otherwise by another numbered reference.

#### TPs for Terminating Identification Presentation (TIP) and 5.3 Terminating Identification Restriction (TIR)

#### Actions at the originating UE 5.3.1

TSS	TP	TIP/TIR reference	Selection expression	
User/OrigUserE	TIP_U01_001	4.5.2.1	PICS 4.5.1/1	
Test purpose:			-	
The originating UE receives one P-A	sserted-Identity in a sip URI.			
Ensure that the Originating UE, recei	ving any non 100 response mess	age defined as SIP_ME	SSAGE_VA containing a	
P-Asserted-Identity heeder with a val	id sip URI accepts the call follow	ing the basic request ha	andling procedures.	
SIP message: SIP_MESSAGE_VA	A			
P-Asserted-Ide	ntity: <sip:[any value]=""></sip:[any>			
Comments:				
User equipment		Test equipment		
	<b>→</b>	INVITE		
	+	SIP_MESSAGE	VA	
	TP	TIP/TIR reference	Selection expression	
User/OrigUserE	TP TIP_U01_002	TIP/TIR reference 4.5.2.1	Selection expression PICS 4.5.1/1	
TSS User/OrigUserE Test purpose: The originating UE receives one P-4	TIP_U01_002			
User/OrigUserE Test purpose: The originating UE receives one P-A	TIP_U01_002	4.5.2.1	PICS 4.5.1/1	
User/OrigUserE Test purpose: The originating UE receives one P-A Ensure that the Originating UE, recei	Sserted-Identity in a tel URI.	4.5.2.1 age defined as SIP_ME	PICS 4.5.1/1	
User/OrigUserE Test purpose: The originating UE receives one P-A Ensure that the Originating UE, recei P-Asserted-Identity heeder with a val	TIP_U01_002 sserted-Identity in a tel URI. ving any non 100 response mess id <b>tel URI</b> , accepts the call follow	4.5.2.1 age defined as SIP_ME	PICS 4.5.1/1	
User/OrigUserE Test purpose: The originating UE receives one P-A Ensure that the Originating UE, recei P-Asserted-Identity heeder with a val SIP message: SIP_MESSAGE_VA	TIP_U01_002 sserted-Identity in a tel URI. ving any non 100 response mess id tel URI, accepts the call follow	4.5.2.1 age defined as SIP_ME	PICS 4.5.1/1	
User/OrigUserE Test purpose: The originating UE receives one P-A Ensure that the Originating UE, recei P-Asserted-Identity heeder with a va SIP message: SIP_MESSAGE_V/ P-Asserted-Identity	TIP_U01_002 sserted-Identity in a tel URI. ving any non 100 response mess id <b>tel URI</b> , accepts the call follow	4.5.2.1 age defined as SIP_ME	PICS 4.5.1/1	
User/OrigUserE Test purpose: The originating UE receives one P-A Ensure that the Originating UE, recei P-Asserted-Identity heeder with a val SIP message: SIP_MESSAGE_VA	TIP_U01_002 sserted-Identity in a tel URI. ving any non 100 response mess id tel URI, accepts the call follow	4.5.2.1 age defined as SIP_ME	PICS 4.5.1/1 SSAGE_VA containing a andling procedures.	
User/OrigUserE Test purpose: The originating UE receives one P-A Ensure that the Originating UE, recei P-Asserted-Identity heeder with a val SIP message: SIP_MESSAGE_VA P-Asserted-Iden Comments:	TIP_U01_002 sserted-Identity in a tel URI. ving any non 100 response mess id tel URI, accepts the call follow	4.5.2.1 age defined as SIP_ME ing the basic request ha	PICS 4.5.1/1 SSAGE_VA containing a andling procedures.	

TSS	ТР	TIP/TIR reference	Selection expression
User/OrigUserE	TIP_U01_003	4.5.2.1	PICS 4.5.1/1
Test purpose:			
The originating UE receives two P-Asserted-Identity	headers in a sip L	IRI and a tel URI.	
Ensure that the Originating UE, receiving any non 10	0 response mess	age defined as SIP_ME	SSAGE_VA containing
one P-Asserted-Identity header with a valid sip URI a		d-Identity header with a	a valid tel URI, accepts
the call following the basic request handling procedu	res.		
SIP message: SIP_MESSAGE_VA			
P-Asserted-Identity: <sip:[any td="" v<=""><td>alue]&gt;</td><td></td><td></td></sip:[any>	alue]>		
P-Asserted-Identity: <tel:[any td="" va<=""><td>alue]&gt;</td><td></td><td></td></tel:[any>	alue]>		
Comments:			
User equipment		UA S	
	<b>→</b>	INVITE	
	+	SIP_MESSAGE	_VA

The originating UE receives a Privacy header field value 'id' indicating the TIR service.

Ensure that the Originating UE, receiving any non 100 response message defined as SIP\_MESSAGE\_VA with a Privacy header with privacy type of "id" and without P-Asserted-Identity headers, accepts the call following the basic request handling procedures. SIP message: SIP\_MESSAGE\_VA Privacy: id

Comments:	

User equipment

**Test equipment** 

<b>→</b>	INVITE
÷	SIP_MESSAGE_VA

	Values for tests purposes TIP_U01_001 to TIP_U02_004
VA_01	180 Ringing
VA_02	183 Session progress
VA_03	200 OK

TSS User/OrigUserE	TP TIP_U01_005	<b>TIP/TIR reference</b> 4.5.2.1	Selection expression PICS 4.5.1/1 AND PICS 4.6.1/1
Test purpose:			
The originating user is able to send Ensure that the Originating UE send			
SIP message: INVITE Supported "f			
Comments:			
User equipment		Test equipmen	it
	<b>→</b>	IN//ITE with "fro	om-change" tag

with "from-change" tag INVITE

TSS	ТР	TIP/TIR reference	Selection expression
Syntax/OrigUserE	TIP_U01_006	4.5.2.1	PICS 4.5.1/1 AND PICS 4.6.1/1
Ensure that the Originating UE is indicates the support of this proce and this identity is displayed to th		the From header of an U	IPDATE request if the UE
SIP message: INVITE Support UPDATE From	ed "from-change" <second identity=""></second>		
Comments: User equipment	SUT	Test equipmen	t
	→ ← ← →	INVITE with "fro 180 Ringing 200 OK INVITE ACK	0 0
	<del>*</del> +	UPDATE with n 200 OK UPDAT	ew URI in From header E

INVITE SIP\_MESSAGE\_VA 1

→

←

### 5.3.2 Actions at the AS serving the originating UE

Signalling/OrigNetw	TP TIP_N01_001	TIP/TIR reference 4.3.2	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/3
Test purpose: The originating user subscribes to the TIP servic Ensure that for originating users that subscribe t the terminator is available, and if presentation is 100 response message defined as SIP_MESSA Precondition: The originating user has subscrib SIP messages: SIP_MESSAGE_VA1: P-Asser SIP_MESSAGE_VA2: P-Asser	o TIP simulation service not restricted, the AS s GE_VA. Ded to the TIP service ted-Identity		d identity information about
Comments:			
Test equipment	AS	Test equi	pment
INVITE SIP_MESSAGE_VA 2	<b>→</b> ←	→ INVITE ← SIP_MES	SAGE_VA 1
TSS Network entity/OrigNetw	TP TIP_N01_002	TIP/TIR reference 4.5.2.4	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/3
Ensure that the IUT acting as AS serving the orig P-Asserted-Identity header fields included in the response.	SIP response defined a		
Precondition: The originating user has not subs SIP messages: SIP_MESSAGE_VA1: P-Asser SIP_MESSAGE_VA2: P-Asser	ted-Identity		
SIP messages: SIP_MESSAGE_VA1: P-Asser	ted-Identity		pment
SIP messages: SIP_MESSAGE_VA1: P-Asser SIP_MESSAGE_VA2: P-Asser Comments:	ted-Identity ted-Identity not present	Test equi ➔ INVITE	pment SAGE_VA 1
SIP messages: SIP_MESSAGE_VA1: P-Asser SIP_MESSAGE_VA2: P-Asser Comments: Test equipment INVITE SIP_MESSAGE_VA 2 TSS	ted-Identity ted-Identity not present AS →	Test equi ➔ INVITE	-
SIP messages: SIP_MESSAGE_VA1: P-Asser SIP_MESSAGE_VA2: P-Asser Comments: Test equipment INVITE	ted-Identity ted-Identity not present AS → ← TIP_N01_003 IP service Privacy head ginating user that does se defined as SIP_MES scribed to the TIP service id	Test equi → INVITE ← SIP_MES TIP/TIR reference 4.5.2.4 der not present. not subscribe to the SSAGE_VA before for	SAGE_VA 1 Selection expression PICS 4.5.1/2 AND PICS 4.7.1/3 TIP service removes any

→ ←

INVITE

SIP\_MESSAGE\_VA 2

TSS	TP	TIP/TIR	R reference	Selection expression
Signalling/TIR	TIP_N01_004	4.6.3		PICS 4.5.1/2 AND
				PICS 4.7.1/3 AND
				PICS 4.7.1/7
Test purpose:		•		
The originating user has TIR override	category.			
Ensure that, if the originating user has	s the override category, the AS	removes Pri	ivacy header	fields restricting the
presentation of the terminating identit				
SIP_MESSAGE_VA before forwardin		,, <b>,</b>		
Precondition: The originating user h	as subscribed to the TIP service	e and Origin	ating user ha	s the override category
SIP messages: SIP_MESSAGE_VA	1: P-Asserted-Identity, Privacy	i = id		
SIP_MESSAGE_VA	2: P-Asserted-Identity, no Priv	acy header o	or Privacy = n	one
Comments:				
Test equipment	AS		Test equip	ment
INVITE	<b>→</b>	<b>→</b>	INVITE	

	Values for tests purposes TIP_N01_001 to TIP_N02_004
VA_01	180 Ringing
VA_02	183 Session progress
VA_03	200 OK

TSS Network entity/OrigAS	TP TIP_N01_005	TIP/TIR reference 4.5.2.4	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/3
Test purpose:			PICS 4.7.1/3
The originating user subscribes to the T	P service The "from-change"	' tag is passed on	
Ensure that the IUT acting as AS serving			e nasses on the
"from change" tag within the Supported			
			valuing the request.
<b>Precondition:</b> The originating user has			
SIP message: INVITE1 Supported "fro	om-change"		
INVITE2 Supported "fro	om-change"		
Comments:			
Test equipment	AS	Test equip	ment
INVITE1 with "from-change" tag	<b>→</b>	→ INVITE2 wi	th "from-change" tag

TSS	ТР	TIP/TIR reference	Selection expression
Network entity/OrigAS	TIP_N01_006	4.5.2.4	PICS 4.5.1/2 AND
			PICS 4.7.1/3
Test purpose:	·		-
The originating user subscribes to the TIP service. T	The "from-change" ta	ag is not received.	
Ensure that the IUT acting as AS serving the original	ting user that subsc	ribes to the TIP servic	e, receiving an initial
INVITE request without the "from-change" tag in the	Supported header,	does not insert the "fr	om-change" tag into the
Supported header before forwarding the request.			
Precondition: The originating user has subscribed t	to the TIP service		
<b>SIP message:</b> INVITE1 Supported "from-change"	not included		
INVITE2 Supported "from-change"	not included		
Comments:			
Test equipment	AS	Test equip	ment
INVITE1 without "from-change" tag	<b>→</b>	➔ INVITE2 wi	th "from-change" tag

TSS	TP	TIP/TIR reference	Selection expression
Network entity/OrigAS	TIP_N01_007	4.5.2.4	PICS 4.5.1/2 AND
			PICS 4.7.1/3
Test purpose:			-
The originating user does not subscribe to the TIP s header.	service. The "from-c	hange" tag is removed	from the Supported
Ensure that the IUT acting as AS serving the origina	ating user that does	not subscribe to the TI	P service removes the
"from-change" tag from the Supported header in a r	eceived initial INVIT	E request before forwa	arding the request.
Precondition: The originating user has not subscril	bed to the TIP servio	ce	
SIP message: INVITE1 Supported "from-change"	1		
INVITE2 Supported "from-change"			
Comments:			
Comments.			
Test equipment	AS	Test equip	ment

### 5.3.3 Actions at the AS serving the terminating UE

user that subsc	4.5.2 s not contactions to T Privacy h	ain any Pri FIR in "perr neader, the	PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/6 <i>ivacy. The terminating user</i> manent mode", receiving a AS shall insert a Privacy
user that subsc E_VA without a onse.	s not conta cribes to 1 Privacy h	ain any Pri FIR in "perr neader, the	PICS 4.7.1/6
user that subsc E_VA without a onse.	cribes to 1 Privacy h	ΓIR in "perr neader, the	ivacy. The terminating user manent mode", receiving a
user that subsc E_VA without a onse.	cribes to 1 Privacy h	ΓIR in "perr neader, the	manent mode", receiving a
user that subsc E_VA without a onse.	cribes to 1 Privacy h	ΓIR in "perr neader, the	manent mode", receiving a
E_VA without a onse.	Privacy h	neader, the	
E_VA without a onse.	Privacy h	neader, the	
onse.			AS shall insert a Privacy
	n permane	ent mode	-
ne TIR service in	n permane	ent mode	
AS		Test equi	ipment
	→	INVITE	
	←	SIP_MES	SAGE_VA 1
	~~	→	→ INVITE

TSS	TP		TIP/TIR reference	Selection expression
Network entity/DestAS	TIP_N02	_002	4.5.2.9	PICS 4.5.1/2 AND
-				PICS 4.7.1/4 AND
				PICS 4.7.1/6
Test purpose:				
The AS inserts the Privacy id value in the subscribes to <b>TIR in permanent mode</b> .		onse conta	ains Privacy "none". 7	he terminating user
Ensure that the IUT acting as AS serving	g the terminating user t	hat subsc	ribes to TIR in "perma	anent mode", receiving a
1xx or 2xx response message defined a	s SIP_MESSAGE_VA	with a Priv	vacy header "none", t	he AS shall remove the
"none" and insert a Privacy header with	privacy value "id" befor	re forward	ling the response.	
Precondition: The terminating user has	subscribed to the TIR	service in	n permanent mode	
SIP messages: SIP_MESSAGE_VA1	Privacy: none			
SIP_MESSAGE_VA2:	Privacy: id			
Comments:				
Test equipment		AS	Test equipm	ent
INVITE	<b>→</b>		→ INVITE	

Network entity/DestAS       TIP_N02_003       4.5.2.9       PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/4 AND PICS 4.7.1/5         Test purpose:       The AS inserts the Privacy id value in the response if the response does not contain any Privacy. The user subscribes TIR temporary mode with default "presentation restricted".       The user subscribes to TIR in "temporary mode" with default presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted" SIP_MESSAGE_VA1 SIP_MESSAGE_VA2: Privacy: id       Test equipment         TSS       Test equipment       AS       Test equipment         INVITE       INVITE       SIP_MESSAGE_VA1         SIP_MESSAGE_VA2       E       Selection expression PICS 4.5.1/2 AND Prics 4.7.1/4 AND PICS 4.7.1/5         Test purpose:       The user subscribes TIR temporary mode with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "t	TSS	TP	TIP/TIR reference	Selection expression
PICS 4.7.1/4 AND         PICS 4.7.1/5         Test purpose:         The AS inserts the Privacy id value in the response if the response does not contain any Privacy. The user subscribes         TIR temporary mode with default "presentation restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         value "presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a         Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted"         SIP_MESSAGE_VA1         SIP_MESSAGE_VA2         Comments:         Test equipment         INVITE         SIP_MESSAGE_VA 2         Comments:         Test purpose:         Network entity/DestAS         Test purpose:         The AS passes the Privacy value "id" in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted".         Test purpose:       TIP_TIP_TIR reference         Yersentation not restricted".       The user subscribes to TIR temporary mode with default "presentation not r				Selection expression
Test purpose:       PICS 4.7.1/5         The AS inserts the Privacy id value in the response if the response does not contain any Privacy. The user subscribes       The user subscribes         TIR temporary mode with default "presentation restricted".       Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted"         SIP_messages:       SIP_MESSAGE_VA1         SIP_MESSAGE_VA2       ★         Test equipment       AS         TSS       Test equipment         INVITE       ★         SIP_MESSAGE_VA 2       ★         Test purpose:       TIP/TIR reference         Network entity/DestAS       TP         The AS passes the Privacy value "id" in the response. The user subscribes TIR temporary mode with default         'presentation not restricted".       Environ 2 mode with default         Presentation not restricted".       Environ 2 mode with default         'presentation not restricted".       TIP/TIR reference         Selection expression       PICS 4.7.1/2 AND         PICS 4.7.1/4 AND       PICS 4.7.1/4 AND	Network entity/DestAS	11P_N02_003	4.3.2.9	
Test purpose:       The AS inserts the Privacy id value in the response if the response does not contain any Privacy. The user subscribes TIR temporary mode with default "presentation restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation restricted". receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted"         SIP_MESSAGE_VA1         SIP_MESSAGE_VA2         Comments:         Test equipment         AS         Test equipment         AS         Test equipment         Network entity/DestAS         The AS passes the Privacy value "id" in the response. The user subscribes to TIR in "temporary mode with default "presentation not restricted"         The AS passes the Privacy value "id" in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "pre				
The ÅS inserts the Privacy id value in the response if the response does not contain any Privacy. The user subscribes         TIR temporary mode with default "presentation restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         value "presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a         Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted"         SIP_MESSAGE_VA1         SIP_MESSAGE_VA2: Privacy: id         Comments:         Test equipment         INVITE         SIP_MESSAGE_VA2         TS         Network entity/DestAS         The AS passes the Privacy value "id" in the response. The user subscribes TIR temporary mode with default         "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         "presentation not restricted".         Ensure that the UIT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         "pr				FIC3 4.7.1/3
TIR temporary mode with default "presentation restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted"         SIP_MESSAGE_VA1         SIP_MESSAGE_VA2         Comments:         Test equipment         INVITE         SIP_MESSAGE_VA2         Comments:         Test equipment         INVITE         SIP_MESSAGE_VA2         Comments:         Test equipment         INVITE         SIP_MESSAGE_VA2         Ensure         File_N02_004         TIP/TIR reference         Selection expression         PicS 4.5.1/2 AND		if the response day	a not contain any Drive	The year autoarily a
Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted" SIP_MESSAGE_VA1 SIP_MESSAGE_VA2: Privacy: id Comments: Test equipment AS Test equipment INVITE AS Test equipment INVITE Fest equipment INVITE Test equipment INVITE INVITE Test equipment INVITE Test equipment INVITE SIP_MESSAGE_VA 2 INVITE Test equipment INVITE SIP_MESSAGE_VA 2 INVITE SIP_			es not contain any Prive	icy. The user subscribes
value "presentation restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA without a Privacy header, the AS shall insert a Privacy header with privacy value "id" before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted" SIP_MESSAGE_VA1 SIP_MESSAGE_VA2: Privacy: id Comments: Test equipment INVITE SIP_MESSAGE_VA 2 TSS Network entity/DestAS Test purpose: The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:			a ariha a ta TID in Itanan	
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Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation restricted"         SIP messages:       SIP_MESSAGE_VA1 SIP_MESSAGE_VA2: Privacy: id         Comments:       AS         Test equipment       AS         INVITE       →         SIP_MESSAGE_VA 2       ←         TSS         Network entity/DestAS         Test purpose:         The AS passes the Privacy value 'id' in the response. The user subscribes         TR the full acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted".         Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_MESSAGE_VA1: Privacy: id         SIP_MESSAGE_VA2: Privacy: id         Comments:				
SIP messages:       SIP_MESSAGE_VA1 SIP_MESSAGE_VA2:       Privacy: id         Comments:       AS       Test equipment         Test equipment       AS       Test equipment         INVITE       →       →       INVITE         SIP_MESSAGE_VA 2       ←       ←       Selection expression         TSS       TIP_IN02_004       TIP/TIR reference       Selection expression         Network entity/DestAS       TIP_IN02_004       TIP/TIR reference       Selection expression         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default       "presentation not restricted"."         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default       value "presentation not restricted".       Ensure that the IUT acting as AS serving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.       Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP messages:       SIP_MESSAGE_VA1: Privacy: id       SIP_MESSAGE_VA2: Privacy: id         Comments:       Comments:       Comments:       Comments				
SIP_MESSAGE_VA2: Privacy: id         Comments:       AS       Test equipment         INVITE       INVITE       INVITE         SIP_MESSAGE_VA 2       INVITE       SIP_MESSAGE_VA 1         TSS       TP       TIP/TIR reference       Selection expression         Network entity/DestAS       TP       TIP/TIR reference       Selection expression         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default       PICS 4.7.1/5         Test urpose:       The AS passes the Privacy value 'id' in the response. The user subscribes to TIR in "temporary mode" with default       Prics 4.7.1/5         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_MESSAGE_VA1: Privacy: id       SIP_MESSAGE_VA2: Privacy: id         Comments:       Comments:		a to the TIR service	in temporary mode pre	esentation restricted
Comments: Test equipment       AS       Test equipment         INVITE SIP_MESSAGE_VA 2       →       →       INVITE SIP_MESSAGE_VA 1         TSS Network entity/DestAS       TP TIP_N02_004       TIP/TIR reference 4.5.2.9       Selection expression PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/4 AND PICS 4.7.1/5         Test purpose: The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP messages:       SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id SIP_MESSAGE_VA2: Privacy: id				
Test equipment       AS       Test equipment         INVITE       →       →       INVITE         SIP_MESSAGE_VA 2       ←       ←       SIP_MESSAGE_VA 1         TSS       TP       TIP_N02_004       TIP/TIR reference       Selection expression         Network entity/DestAS       TP       TIP_N02_004       TIP/TIR reference       Selection expression         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default       PICS 4.7.1/4 AND         "presentation not restricted".       Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.       Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP messages:       SIP_MESSAGE_VA1: Privacy: id       SIP_MESSAGE_VA2: Privacy: id         SIP_MESSAGE_VA2: Privacy: id       SIP_MESSAGE_VA2: Privacy: id       SIP_MESSAGE_VA2: Privacy: id				
INVITE       →       →       INVITE         SIP_MESSAGE_VA 2       ←       ←       SIP_MESSAGE_VA 1         TSS       Network entity/DestAS       TIP_IN02_004       TIP/TIR reference       Selection expression         PICS 4.5.1/2 AND       PICS 4.5.1/2 AND       PICS 4.5.1/2 AND       PICS 4.7.1/4 AND         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default       "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default       "presentation not restricted".         Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.       Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_messages:       SIP_MESSAGE_VA1: Privacy: id       SIP_MESSAGE_VA2: Privacy: id         Comments:       User_MESSAGE_VA2: Privacy: id       User_MESSAGE_VA2: Privacy: id		4.0	Testerium	
SIP_MESSAGE_VA 2 <ul> <li>SIP_MESSAGE_VA 2</li> <li>SIP_MESSAGE_VA 1</li> </ul> TSS Network entity/DestAS         TP TIP_N02_004         TIP/TIR reference 4.5.2.9         Selection expression PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/5           Test purpose: The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Selection expression PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/5           Ensure that UT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.           Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"           SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id           Comments:	l est equipment	AS	l est equipm	ent
SIP_MESSAGE_VA 2 <ul> <li>SIP_MESSAGE_VA 2</li> <li>SIP_MESSAGE_VA 1</li> </ul> TSS Network entity/DestAS         TP TIP_N02_004         TIP/TIR reference 4.5.2.9         Selection expression PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/5           Test purpose: The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Selection expression PICS 4.5.1/2 AND PICS 4.7.1/5           Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.           Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"           SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id           Comments:		<b>د</b>		
TSS       TP       TIP/TIR reference       Selection expression         Network entity/DestAS       TIP_N02_004       4.5.2.9       PICS 4.5.1/2 AND         PICS 4.7.1/4 AND       PICS 4.7.1/4 AND       PICS 4.7.1/5         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default         "presentation not restricted".       Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_MESSAGE_VA1: Privacy: id         SIP_MESSAGE_VA2: Privacy: id         Comments:				
Network entity/DestAS       TIP_N02_004       4.5.2.9       PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/4 AND PICS 4.7.1/5         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_messages:       SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id         Comments:	SIP_MESSAGE_VA Z	~	T SIP_WESSAG	JE_VA 1
Network entity/DestAS       TIP_N02_004       4.5.2.9       PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/4 AND         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_messages:       SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id         Comments:       TIP_NO2_004				
Network entity/DestAS       TIP_N02_004       4.5.2.9       PICS 4.5.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/4 AND         Test purpose:       The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP_messages:       SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id         Comments:       TIP_NO2_004	7927	ТР	TIP/TIR reference	Selection expression
PICS 4.7.1/4 AND PICS 4.7.1/5 Test purpose: The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:				
PICS 4.7.1/5         Test purpose:         The AS passes the Privacy value 'id' in the response. The user subscribes TIR temporary mode with default         "presentation not restricted".         Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default         value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a         Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response.         Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted"         SIP messages:       SIP_MESSAGE_VA1: Privacy: id         SIP_MESSAGE_VA2: Privacy: id       SIP_MESSAGE_VA2: Privacy: id         Comments:       Divide Privacy id		111 _1102_004	4.0.2.0	
Test purpose: The AS passes the Privacy value 'id' in the response. The user subscribes <b>TIR temporary mode</b> with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. <b>Precondition:</b> The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" <b>SIP messages:</b> SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id <b>Comments:</b>				
The AS passes the Privacy value 'id' in the response. The user subscribes <b>TIR temporary mode</b> with default "presentation not restricted". Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:	Test nurnose:			1103 4.7.1/3
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Ensure that the IUT acting as AS serving the terminating user that subscribes to TIR in "temporary mode" with default value "presentation not restricted", receiving a 1xx or 2xx response message defined as SIP_MESSAGE_VA with a Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:				
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Privacy header set to 'id', the AS shall pass Privacy header with the privacy value before forwarding the response. Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:				
Precondition: The terminating user has subscribed to the TIR service in temporary mode "presentation not restricted" SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:				
SIP messages: SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id Comments:		/ header with the pri	vacy value before forwa	arding the response
SIP_MESSAGE_VA2: Privacy: id Comments:	Privacy header set to 'id', the AS shall pass Privacy	header with the pri	vacy value before forwa	arding the response.
Comments:	Privacy header set to 'id', the AS shall pass Privacy <b>Precondition:</b> The terminating user has subscribed	d to the TIR service	vacy value before forwa in temporary mode "pre	arding the response. esentation not restricted"
	Privacy header set to 'id', the AS shall pass Privacy <b>Precondition:</b> The terminating user has subscribed <b>SIP messages:</b> SIP_MESSAGE_VA1: Privacy: id	d to the TIR service	vacy value before forwa in temporary mode "pre	arding the response. esentation not restricted"
	Privacy header set to 'id', the AS shall pass Privacy <b>Precondition:</b> The terminating user has subscribed <b>SIP messages:</b> SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id	d to the TIR service	vacy value before forwa in temporary mode "pre	arding the response. esentation not restricted"
	Privacy header set to 'id', the AS shall pass Privacy <b>Precondition:</b> The terminating user has subscribed <b>SIP messages:</b> SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id <b>Comments:</b>	d to the TIR service	in temporary mode "pre	esentation not restricted"
	Privacy header set to 'id', the AS shall pass Privacy <b>Precondition:</b> The terminating user has subscribed <b>SIP messages:</b> SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id	d to the TIR service	vacy value before forwa in temporary mode "pre Test equipm	esentation not restricted"
SIP MESSAGE VA	Privacy header set to 'id', the AS shall pass Privacy <b>Precondition:</b> The terminating user has subscribed <b>SIP messages:</b> SIP_MESSAGE_VA1: Privacy: id SIP_MESSAGE_VA2: Privacy: id <b>Comments:</b>	d to the TIR service	in temporary mode "pre	esentation not restricted"

Values for tests purposes TIP_N02_001 to TIP_N01_004
180 Ringing
183 Session progress

	Too Session p
VA_03	200 OK

TSS	ТР	TIP/TIR reference	Selection expression
Network entity/DestAS	TIP_N02_005	4.5.2.9	PICS 4.5.1/2 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/6
Test purpose:			
The AS remove the "from-change" tag from the Supp	oorted header. The	user subscribes TIR in	n permanent mode.
Ensure that the IUT acting as AS serving the termina	ting user that subs	cribes to the TIR servi	ce in "permanent mode"
removes the "from-change" tag from the Supported h	header in a received	d initial INVITE reques	t before forwarding the
request.		·	C C
Precondition: The terminating user has subscribed t	to the TIR service i	n permanent mode	
SIP messages: INVITE1 Supported: "from-change"			
INVITE2 Supported without "from-cl	hange"		
Comments:			
Test equipment	AS	Test equipmen	t
INVITE1 with "from-change" tag	-	INVITE2 without	t "from-change" tag

TSS Signalling/DestAS	TP TIP_N02_006	TIP/TIR reference 4.5.2.9	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/8
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#### Test purpose:

The terminating user is not subscribed to the "no screening" special arrangement From header value does not match.

Ensure that, if the IUT attempt to match the information in the From header with the set of registered public user identities for the served user and if no match is found, the AS changes the value of the From header in the UPDATE to the public user identity of the served user if the terminating user is not subscribed to the "no screening" special arrangement.

SIP messages: INVITE: Supp	oorted: from-change				
UPDATE1: F	rom <connected i<="" td="" user=""><td>dentity&gt;</td><td></td><td></td><td></td></connected>	dentity>			
UPDATE2: F	rom <public identi<="" td="" user=""><td>tv&gt;</td><td></td><td></td><td></td></public>	tv>			
Precondition: Terminating us			ning" spe	ecial arrangement	
Comments:					
Test equipment		AS		Test equipment	
INVITE	<b>→</b>		→	INVITE	
180 Ringing	+		←	180 Ringing	
200 OK INVITE	+		←	200 OK INVITE	
ACK	<b>→</b>		→	ACK	
UPDATE2	+		←	UPDATE1	
200 OK UPDATE	→		→	200 OK UPDATE	

TSS	ТР	Т	IP/TIR reference	Selection expression
Signalling/DestAS	TIP_N02_0	07 4	.5.2.9	PICS 4.5.1/2 AND
				PICS 4.7.1/8
Test purpose:				
The terminating user is not subscribe				
Ensure that, if the IUT attempt to ma				
identities for the served user and if a				ader in the UPDATE if the
terminating user is not subscribed to	the "no screening" special a	irrangeme	ent.	
SIP messages: INVITE: Supported	: from-change			
18x/200: Supported				
	public user identity>			
	public user identity>			
Precondition: Terminating user is n	ot subscribed to the "no scre	ening" sp	ecial arrangement	
Comments:				
Test equipment	AS		Test equipmen	t
INVITE	<b>→</b>	<b>→</b>	INVITE	
180 Ringing	+	÷	180 Ringing	
200 OK INVITE	+	÷	200 OK INVITE	
ACK	<b>→</b>	<b>→</b>	ACK	
UPDATE2	+	←	UPDATE1	
200 OK UPDATE	<b>→</b>	<b>→</b>	200 OK UPDAT	r -

TSS	TP	Т	IP/TIR reference	Selection expression
Signalling/DestAS	TIP_N02_008	4	.5.2.9	PICS 4.5.1/2 AND
0 0				PICS 4.7.1/8
Test purpose:	·			
The terminating user is subscribed	to the "no screening" special arra	ngem	ent.	
Ensure that, if the IUT passes the in	nformation in the From header in	the UF	PDATE request if th	e terminating user is
subscribed to the "no screening" sp	pecial arrangement.			
SIP messages: INVITE: Supporte	d: from-change			
18x/200: Supporte				
UPDATE1: From	<connected identity="" user=""></connected>			
UPDATE2: From	<connected identity="" user=""></connected>			
Precondition: Terminating user is	subscribed to the "no screening"	specia	al arrangement	
Comments:	×			
Test equipment	AS		Test equipmen	t
INVITE	<b>→</b>	→	INVITE	
180 Ringing	+	←	180 Ringing	
200 OK INVITE	+	←	200 OK INVITE	
ACK	<b>→</b>	→	ACK	
UPDATE2	+	←	UPDATE1	
200 OK UPDATE	<b>→</b>	→	200 OK UPDAT	E

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### 5.3.4 Actions at the terminating UE

TSS User/TermUserE	TP TIP_U02_001	TIP/TIR reference 4.5.2.12	Selection expression PICS 4.5.1/1 AND PICS 4.6.1/1
<b>Test purpose:</b> <i>The Terminating UE supports the "from-change" tag</i> Ensure that the Terminating UE supports the "from-c "from-change" tag in a Supported header in an initial header in any provisional or final response message	hange" tag in the Si INVITE, the UE ser	upported header. If the nds the "from-change"	e UE receives a
SIP messages: INVITE: Supported: from-change SIP_MESSAGE_VA: Supported: from-change			
Comments: Test equipment		User equipmen	t
INVITE with "from-change" tag SIP_MESSAGE_VA	→		
TSS User/TermUserE	TP TIP_U02_002	TIP/TIR reference 4.5.2.12	Selection expression PICS 4.5.1/1 AND PICS 4.6.1/2
<b>Test purpose:</b> <i>The Terminating UE sends an UPDATE request with</i> Ensure that the Terminating UE supports the "from-c "from-change" tag in a Supported header in an initial ACK for the 200 OK INVITE was received containing	hange" tag in the Si INVITE, the user ea	upported header. If the quipment sends an UF	
SIP messages: INVITE: Supported: from-change 180/200: Supported: from-change UPDATE: From <identity equip<="" td="" user=""><td>oment&gt;</td><td></td><td></td></identity>	oment>		
Comments: Test equipment		User equipmen	t
INVITE with "from-change" tag 180 Ringing 200 OK INVITE ACK UPDATE with updated From and To header 200 OK UPDATE	→ ← ← → ← →		

TSS	ТР	TIP/TIR reference	Selection expression				
User/TermUserE	TIP_U02_003	4.5.2.12	PICS 4.5.1/1				
Test purpose:							
The Terminating UE overrides a default "Presentation not restricted" by sending Privacy "id".							
Ensure that the Terminating UE having subscribed to							
to override the default TIR setting, sends a Privacy h	eader with value "id	in any non 100 respo	onse message (e.g. 180,				
183, 200).							
SIP messages: SIP_MESSAGE_VA: Privacy: "id"							
Comments:							
Test equipment User equipment							
INVITE	<b>→</b>						
SIP_MESSAGE_VA	+						

TSS	TP	TIP/TIR reference	Selection expression
User/TermUserE	TIP_U02_004	4.5.2.12	PICS 4.5.1/1
Test purpose:			

Ensure that the Termina	es a default "Presentation restricted" by sending Privacy "none". UE having subscribed to TIR temporary mode, default value "presentation restricted", to ng, sends a Privacy header with value "none" in any non 100 response message (e.g. 180,
SIP messages: SIP_M	AGE_VA: Privacy: "none"
Comments: Test equipment	User equipment
INVITE SIP_MESSAGE_VA	→ ←

Values for tests purposes TIP_U02_001 and TIP_U02_003 to TIP_U02_004					
VA_01	180 Ringing				
VA_02	183 Session progress				
VA_03	200 OK				

### 5.4 Interaction with other services

### 5.4.1 Communication diversion services

TSS	TP	TIP	/TIR reference	Selection expression
Interaction/CDIV	TIP_N03_001	4.6	.7	PICS 4.5.1/2 AND
				PICS 4.7.1/1 AND
				PICS 4.7.1/9 AND
				PICS 4.7.1/10
Test purpose:				
Ensure that if the served (diverting) user	of the communication dive	rsion serv	vice selects the o	ption that <b>the originating</b>
user is notified of diversion with the d	liverted-to address and th	e diverted	d-to user has sub	scribed to the <b>TIR</b>
service in permanent mode and the ori	ginating user has subscrib	ed to the	TIP service, no	
P-Asserted-Identity header including the	URI of the diverted-to user	and no h	istory-entry ident	ifying the diverted-to use
is sent within the SIP_MESSAGE_VA res	sponse to the originating u	ser. The H	History-Info Head	er entry identifying the
diverted-to user is removed from the Hist	tory -Info header.		•	
Precondition: Test equipment (Diverting	g user) activates Communi	ation div	ersion unconditio	nal with option
"originating user is notified of diversion w	vith the diverted-to address	'.		
SIP messages: 181: History-Info diverte	ed-to URI not present			
SIP_MESSAGE_VA 2				
History-Info divertee	d-to URI not present			
Privacy: id	•			
T TIVACY. IA				
Comments:	SUT		Test equipmen	t (Diverted-to user)
Comments: Test equipment (Originating user)	SUT →	<b>→</b>	Test equipmen	t (Diverted-to user)
Comments: Test equipment (Originating user) INVITE		<b>→</b>		t (Diverted-to user)
Comments: Test equipment (Originating user) INVITE 181 Call is being forwarded	→	÷		t (Diverted-to user)
Comments: Test equipment (Originating user) INVITE 181 Call is being forwarded History-Info header without URI of the diverted-to user	→	<b>→</b>		t (Diverted-to user)
Comments: Test equipment (Originating user) INVITE 181 Call is being forwarded History-Info header without URI of the	→	→		

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TSS	TP	TI	P/TIR reference	Selection expression
Interaction/CDIV	TIP_N03_002	4.	6.7	PICS 4.5.1/2 AND
				PICS 4.7.1/1 AND
				PICS 4.7.1/9 AND
				PICS 4.7.1/10
Test purpose:				
Ensure that if the served (diverting) user of the user is notified of diversion with the diverter service in temporary mode default "presenta	d-to address and the ation restricted" and	divert	ed-to user has sub iginating user has s	scribed to <b>the TIR</b> subscribed to the TIP
service, when the diverted-to user has send no				
P-Asserted-Identity header including the URI of				
the originating user. The History-Info Header er	ntry identifying the div	erted-t	o user is removed	from the History-Info
header.				
Precondition: Test equipment (Diverting user)			iversion uncondition	nal with option
"originating user is notified of diversion with the	e diverted-to address".			
SIP messages: 181: History-Info diverted-to L	JRI not present			
SIP_MESSAGE_VA 2				
History-Info diverted-to UF	RI not present			
Privacy: id				
Comments:				
Test equipment (Originating user)	SUT		Test equipment	t (Diverted-to user)
	•	→	INVITE	
181 Call is being forwarded	-			
History-Info header without URI of the				
diverted-to user				
SIP_MESSAGE_VA 2	-	←	SIP_MESSAGE	VA 1
without P-Asserted-Identity			_	

TSS	ТР	T	IP/TIR reference	Selection expression
Interaction/CDIV	TIP_N03_003	4.	.6.7	PICS 4.5.1/2 AND
				PICS 4.7.1/1 AND
				PICS 4.7.1/9 AND
				PICS 4.7.1/10
Test purpose:	•			
Ensure that if the served (diverting) user o	f the communication divers	sion se	ervice selects the o	otion that the originating
user is notified of diversion with the div	verted-to address and the	divert	ed-to user has sub	scribed to the <b>TIR</b>
service in temporary mode default "pre	sentation not restricted"	and th	ne originating user	has subscribed to the TIP
service, when the diverted-to user has ser	nd a Privacy header with	value	"id" within the SIP	_MESSAGE_VA
response, no P-Asserted-Identity header i	ncluding the URI of the dive	erted-t	to user is sent withi	n the
SIP_MESSAGE_VA response to the origin	nating user. The History-Int	o Hea	der entry identifyin	g the diverted-to user is
removed from the History-Info header.	-			-
Precondition: Test equipment (Diverting	user) activates Communica	ation d	liversion unconditio	nal with option
"originating user is notified of diversion wit				
SIP messages: 181: History-Info divertee	d-to URI not present			
SIP_MESSAGE_VA 1				
Privacy: id				
SIP_MESSAGE_VA 2				
History-Info diverted	-to URI not present			
Privacy: id				
Comments:				
Test equipment (Originating user)	SUT		Test equipmen	t (Diverted-to user)
root equipment (enginating deer)				· ·
	<b>→</b>	→	INVITE	, , , , , , , , , , , , , , , , , , ,
INVITE	→ ←	→	INVITE	· · · · ·
INVITE 181 Call is being forwarded		<b>→</b>	INVITE	
INVITE 181 Call is being forwarded History-Info header without URI of the		<b>→</b>	INVITE	
INVITE		→ ←	INVITE SIP_MESSAGE	_VA 1

	Values for tests purposes TIP_N03_001 to TIP_N03_003
VA_01	180 Ringing
VA_02	183 Session progress
VA_03	200 OK

# History

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