ETSITS 186 017-2 V6.1.1 (2018-07)



Core Network and Interoperability Testing (INT);
Anonymous Communication Rejection (ACR) and
Communication Barring (CB) using IP Multimedia (IM)
Core Network (CN) subsystem;
Conformance Test Specification (3GPP™ Release 12);
Part 2: Test Suite Structure and Test Purposes (TSS&TP)

Reference

RTS/INT-00148-2

Keywords

anonymous communication reject, CB, conformance, IMS, PICS, testing, TSS&TP

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

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

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

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

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

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

Copyright Notification

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

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

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

© ETSI 2018. All rights reserved.

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

oneM2M logo is protected for the benefit of its Members. **GSM**® and the GSM logo are trademarks registered and owned by the GSM Association.

Content

Intell	ectual Property Rights	4
Forev	word	4
Moda	al verbs terminology	4
	luction	
1	Scope	5
2	•	
2	References	
2.1	Normative references	
2.2	Informative references	
3	Definitions, symbols and abbreviations	6
3.1	Definitions	6
3.2	Symbols	6
3.3	Abbreviations	6
4	Test Suite Structure (TSS)	7
4.0		
4.0	Table of Test suite Structure	
4.1.0	Introduction	
4.1.1	Testing of the AS	
4.1.1	Testing of the UE	
5	Test Purposes (TP)	
5.1	Introduction	
5.1.1	TP naming convention	
5.1.2	Test strategy	
5.2	TPs for Communication Barring (CB) and Anonymous Communication Rejection (ACR)	
5.2.1	Actions for OCB at the originating AS	
5.2.2	Actions for ICB at the terminating AS	
5.2.3	Action for ACR at the terminating AS	
5.2.4	Actions at the destination UE	
5.3	Interaction with other simulation services	
5.3.1	Originating Identification Presentation (OIP)	
5.3.2 5.3.3	CONFerence Calling (CONF)	
ر. د. د	Communication Diversion services (CDIV)	12
Anne	ex A (informative): Bibliography	76
Histo	ry	77

Intellectual Property Rights

Essential patents

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

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

Trademarks

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

Foreword

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

The present document is part 2 of a multi-part deliverable covering the Anonymous Communication Rejection (ACR) and Communication Barring (CB) simulation services, as identified below:

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

Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the <u>ETSI Drafting Rules</u> (Verbal forms for the expression of provisions).

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

Introduction

The IP Multimedia core network Subsystem (IMS) consists of multiple functional entities and interfaces. The goal of this work is to provide the conformance tests for Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem that are based on SIP messages. Test purposes defined in the present document have been developed based on the requirements stated in the 3GPP IMS Release 12.

1 Scope

The present document provides the Test Suite Structure and Test Purposes (TSS&TP) specification for the Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem defined in [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.

Referenced documents which are not found to be publicly available in the expected location might be found at https://docbox.etsi.org/Reference.

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

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

[1]	ETSI TS 124 611: "Digital cellular telecommunications system (Phase 2+); Universal Mobile
	Telecommunications System (UMTS); LTE; Anonymous Communication Rejection (ACR) and
	Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol
	specification (3GPP TS 24.611 Release 12)".

- [2] ETSI TS 186 017-1 (V6.1.1) "Core Network and Interoperability Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification (3GPPTM Release 12); Part 1: Protocol Implementation Conformance Statement (PICS)".
- [3] Void.
- [4] ETSI TS 124 623: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (3GPP TS 24.623 Release 12)".
- [5] ETSI TS 124 238: "Universal Mobile Telecommunications System (UMTS); LTE; Session Initiation Protocol (SIP) based user configuration; Stage 3 (3GPP TS 24.238 Release 12)".

2.2 Informative references

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

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

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] IETF RFC 3261: "SIP: Session Initiation Protocol".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ETSI TS 124 611 [1] and the following apply:

escaped character: See IETF RFC 3261 [i.1].

NOTE: This may contain additional information.

3.2 Symbols

For the purposes of the present document, the symbols given in ETSI TS 124 611 [1] apply.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 124 611 [1] and the following apply:

ACR Anonymous Communication Rejection

AS Application Server CB Communication Barring

CDIV Communication DIVersion services

CN Core Network

ICB Incoming Communication Barring

IM IP Multimedia

IMS IP Multimedia Subsystem

IP Internet Protocol
ISC IMS Service Control

NNI Network to Network Interface
OCB Outgoing Communication Barring
OIP Originating Identification Presentation

PICS Protocol Implementation Conformance Statement

SIP Session Initiation Protocol

SUT System Under Test
TP Test Purposes
TSS Test Suite Structure

UA User Agent

XCAP eXtensible Markup Language Configuration Access Protocol

XML eXtensible Markup Language

4 Test Suite Structure (TSS)

4.0 Table of Test suite Structure

Table 0: Test suite structure

ACR-CB			
	Network	OCB_originating_AS	ACR-CB_N01_xxx
	OCB	ICB_terminating_AS	ACR-CB_N02_xxx
	ICB	ACR_terminating_AS	ACR-CB_N03_xxx
		interaction_OIP	ACR-CB_N04_xxx
		interaction_CONF	ACR-CB_N05_xxx
		interaction_CDIV	ACR-CB_N06_xxx
	User	Destination_UE	ACR-CB_U01_xxx

4.1 Configuration

4.1.0 Introduction

The scope of the present document is to test the signalling and procedural aspects of the stage 3 requirements as described in ETSI TS 124 611 [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 the services. The ISC interface is the appropriate access point for testing as indicated in figure 1.

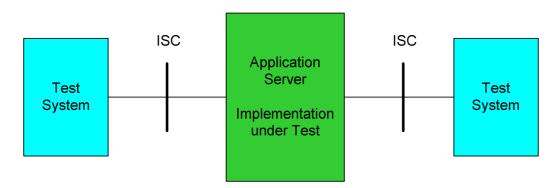


Figure 1: Applicable interface to test AS functionalities

If the ISC interface is not accessible it is also possible to perform the test of the AS using any NNI (Mw, Mg, Mx) interface (see figure 2). In case only the Gm interface is accessible this interface can be used instead for testing, but the verification of all requirements may not be possible.

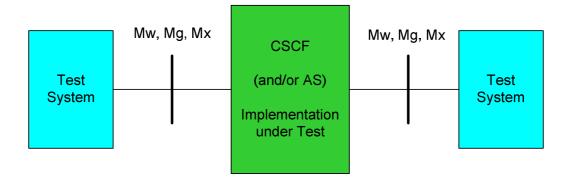


Figure 2: Applicable interfaces for tests using a (generic) NNI interface

4.1.2 Testing of the UE

There are special clauses in the protocol standard describing the procedures that apply at the originating and terminating user equipment. Therefore, the test configuration in figure 3 has been chosen.

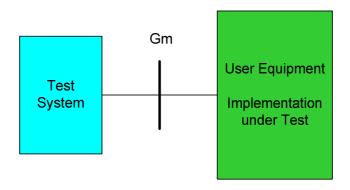


Figure 3: Applicable configuration to test UE functionalities

5 Test Purposes (TP)

5.1 Introduction

5.1.1 TP naming convention

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

Table 1: TP identifier naming convention scheme

5.1.2 Test strategy

As the base standard ETSI TS 124 611 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification ETSI TS 186 017-1 [2]. The criteria applied include the following:

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

5.2 TPs for Communication Barring (CB) and Anonymous Communication Rejection (ACR)

5.2.1 Actions for OCB at the originating AS

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_001	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/6
Test purpose			
Outgoing communication barring evaluates	'identity' with one item	Configuration over I	It interfece
Ensure that an outgoing communication is served user's outgoing communication barr	rejected when the evaluating rules (Black list).	ation of the called nu	mber matches in one of the
Ensure that an outgoing communication is served user's outgoing communication barr	rejected when the evaluating rules (Black list).	ation of the called nu	mber matches in one of the
Ensure that an outgoing communication is served user's outgoing communication barre. Ensure that the SUT is sending a 603 (Dec The service configuration takes place over	rejected when the evaluating rules (Black list). line) final response whe	ation of the called nu	mber matches in one of the

<allow>false</allow>
</actions>
</rule>

</ri>

</outgoing-communication-barring>
Comments:

UA C SUT UA S
HTTP Request (activate outgoing communication barring "identity")

INVITE
100 Trying
603 Decline
ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_002	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/6

Outgoing communication barring evaluates 'identity' with one item. Configuration over Ut interface. An announcement is provided.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches in one of the served user's outgoing communication barring rules (Black list).

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE

183 Session Progress

←

← Announcement

603 Decline ← ACK →

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_003	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/3 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/7

Outgoing communication barring evaluates '**identity**' with one item. Configuration using SIP based user configuration. Ensure that an outgoing communication is rejected when the evaluation of the called number matches in one of the served user's outgoing communication barring rules (Black list).
Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

INVITE 1. Negacat line alp.	Coci vice code, prio	ne context=\any	domain, doci-dialouning on 72.0		
Comments:		•			
UA C		SUT	UA S		
INVITE 1	→				
200 OK INVITE	←				
ACK	→				
Result annour	ncement activation	1			
BYE	→				
200 OK BYE	←				
INVITE 2	→				
100 Trying	←				
603 Decline	←				
ACK	→				
INVITE 1	→				
200 OK INVITE	←				
ACK	→				
Result annound	Result announcement deactivation				
BYE	→				
200 OK BYE	←				

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_004	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			PICS 4.7.1/7

Outgoing communication barring evaluates '**identity'** with one item. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches in one of the served user's outgoing communication barring rules (Black list).

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>:phone-context=<anv domain>:user=dialstring SIP/2.0

INVITE 1. Request line sip. <s< th=""><th>ervice code>,pri</th><th>one-context=<any< th=""><th>Johnami, user=diaistring SiF/2.0</th><th></th></any<></th></s<>	ervice code>,pri	one-context= <any< th=""><th>Johnami, user=diaistring SiF/2.0</th><th></th></any<>	Johnami, user=diaistring SiF/2.0	
Comments:			·	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annound	ement activation	n		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
183 Session Progress	÷			
A	nnouncement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announce	ment deactivati	ion		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_005	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/6

Outgoing communication barring evaluates 'identity' in a list of items. Configuration over Ut interface.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches not in the list (White list) of the served user's outgoing communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

XML abstract

```
<outgoing-communication-barring active="true">
 <ruleset>
    <rule id="<any identifier>">
        <conditions>
             <identity>
                <many> <except id="[any URI (PIXIT)]"/></many>
             </identity>
        </conditions>
         <actions>
             <allow>false</allow>
        </actions>
    </rule>
 </ruleset>
</outgoing-communication-barring>
```

Comments:

UA S UA C SUT

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying 603 Decline ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_006	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/6

Outgoing communication barring evaluates '**identity'** in a list of items. Configuration over Ut interface. An announcement is provided.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches not in the list (White list) of the served user's outgoing communication barring rules.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE

183 Session Progress

←

← Announcement

603 Decline ← ACK →

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_007	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/3 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/7

Outgoing communication barring evaluates 'identity' in a list of items. Configuration using SIP based user configuration.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches not in the list (White list) of the served user's outgoing communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

SIF fleader values.				
INVITE 1: Request line sip:	: <service code="">;ph</service>	one-context= <any o<="" th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any>	domain>;user=dialstring SIP/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	ncement activation	n		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announ	cement deactivati	on		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_008	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/3 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			PICS 4.7.1/7

Outgoing communication barring evaluates 'identity' in a list of items. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches not in the list of the served user's outgoing communication barring rules.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response

when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>:phone-context=<anv domain>:user=dialstring SIP/2.0

INVITE 1. Request line sip. <s< th=""><th>ervice code>,pri</th><th>one-context=<any< th=""><th>iomain>,user=diaistring SiP/2.0</th><th></th></any<></th></s<>	ervice code>,pri	one-context= <any< th=""><th>iomain>,user=diaistring SiP/2.0</th><th></th></any<>	iomain>,user=diaistring SiP/2.0	
Comments:	·		·	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announc	ement activation	n		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
183 Session Progress	+			
A	nnouncement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announce	ment deactivati	ion		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_009	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/8

Outgoing communication barring evaluates to an 'external list'. Configuration over Ut interface.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches the served user's outgoing communication barring rules referring to an external list.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

XML abstract

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "external-list")

INVITE
100 Trying
603 Decline
ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_010	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/8

Outgoing communication barring evaluates to an 'external list'. Configuration over Ut interface. An announcement is provided.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches the served user's outgoing communication barring rules referring to an external list.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "external-list")

INVITE

183 Session Progress

←

← Announcement

603 Decline ←
ACK →

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_011	4.5.2.4.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/9

Outgoing communication barring evaluates to an 'external list'. Configuration using SIP based user configuration. Ensure that an outgoing communication is rejected when the evaluation of the called number matches the served user's outgoing communication barring rules referring to an external list.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

invite i. Nequest line sip.	<set code="" vice="">,pric</set>	nie-context-carry	domain>,user=diaistring sir/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	ncement activation	n		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	(
603 Decline	(
ACK	→			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result announ	cement deactivation	on		
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_012	4.5.2.4.1	PICS 4.5.1/2 AND
			PICS 4.7.1/3 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/9

Outgoing communication barring evaluates to an 'external list'. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches the served user's outgoing communication barring rules referring to an external list.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

Comments:	•		-	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result announc	ement activation			
BYE	→			
200 OK BYE	←			
NVITE 2	→			
183 Session Progress	←			
A	nnouncement			
603 Decline	(
ACK	→			
NVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announce	ment deactivation			
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_013	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/3 AND
		4.3.3/[4]	PICS 4.7.1/7 AND
			NOT PICS 4.7.1/4

Outgoing communication barring evaluates 'international' with one item. Configuration using SIP based user configuration.

Ensure that an outgoing communication is rejected when the evaluation of the called number matches with the served user's outgoing communication barring rules for international destinations.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip	: <service code="">;ph</service>	one-context= <any< th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any<>	domain>;user=dialstring SIP/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	uncement activation	on		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result annoui	ncement deactivat	ion		
BYE	→			
200 OK BYE	←			

5.2.2 Actions for ICB at the terminating AS

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_001	4.5.2.6.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/10

Test purpose

Incoming communication barring evaluates 'identity'. Configuration over Ut interface.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches one of the served user's incoming communication barring rules (Black list).

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE

100 Trying

603 Decline

ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_002	4.5.2.6	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/10

Incoming communication barring evaluates 'identity'. Configuration over Ut interface. An announcement is provided. Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches one of the served user's incoming communication barring rules (Black list).

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE →
100 Trying ←
Announcement

603 Decline ← ACK →

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_003	4.5.2.6.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/11

Incoming communication barring evaluates 'identity'. Configuration using SIP based user configuration.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches one of the served user's incoming communication barring rules (Black list).

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

Comments:	•		-	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	incement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result annour	cement deactivatio	n		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_004	4.5.2.6.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			PICS 4.7.1/11

Incoming communication barring evaluates 'identity'. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches one of the served user's incoming communication barring rules (Black list).

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

ains carriag and a unhang contact cany demain, upper dialetring CID/2 0

INVITE 1: Request line sip:	<service code="">;phor</service>	ne-context= <any d<="" th=""><th>omain>;user=dialstring SIP/2.0</th><th></th></any>	omain>;user=dialstring SIP/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	ncement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
	Announcement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result announ	cement deactivatio	n		
BYE	→			
200 OK BYE	(

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_005	4.5.2.6.1	PICS 4.5.1/2 AND
_		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/10

Incoming communication barring evaluates 'identity' in a list of items. Configuration over Ut interface.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches not in the list (White list) of the served user's incoming communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

XML abstract

```
<incoming-communication-barring active="true">
 <ruleset>
    <rule id="[any identifier]">
        <conditions>
             <identity>
                <many <except id="[any URI (PIXIT)]"/></many>
             </identity>
        </conditions>
         <actions>
             <allow>false</allow>
        </actions>
    </rule>
 </ruleset>
incoming-communication-barring>
```

Comments:

SUT UA S **UAC**

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying 603 Décline ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_006	4.5.2.6.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/10

Incoming communication barring evaluates '**identity'** in a list of items. Configuration over Ut interface. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches not in the list (White list) of the served user's incoming communication barring rules.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE →
100 Trying ←
Announcement

603 Decline ← ACK →

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_007	4.5.2.6.1	PICS 4.5.1/2 AND
-		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/11

Incoming communication barring evaluates 'identity' in a list of items. Configuration using SIP based user configuration.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches not in the list (White list) of the served user's incoming communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

INVITE 1. Nequest line sip.	service codez,priori	e-context= <any c<="" th=""><th>ornainz, user – ulaisting Sir /2.0</th><th></th></any>	ornainz, user – ulaisting Sir /2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annour	cement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result annound	ement deactivation	1		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_008	4.5.2.6.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			PICS 4.7.1/11

Incoming communication barring evaluates 'identity' in a list of items. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches not in the list (White list) of the served user's incoming communication barring rules.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

INTERIOR OF	. Tool vice bodos, prio	no dontoxt-variy	Johnannz, user – Glaistning Sir 72.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	incement activation	1		
BYE	→			
200 OK BYE	←			
INDUITE O	_			
INVITE 2)			
100 Trying	•			
	Announcement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	-			
ACK	→			
Result annour	ncement deactivation	n		
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_009	4.5.2.6.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/12

Incoming communication barring evaluates 'external list'. Configuration over Ut interface.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches the served user's incoming communication barring rules referring to an external list.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

```
<incoming-communication-barring active="true">
 <ruleset>
    <rule id="[any identifier]">
         <conditions>
             <external-list>
                   <entry anc="<any URI referring to the external list (PIXIT)>"></entry>
             </external-list>
         </conditions>
         <actions>
             <allow>false</allow>
         </actions>
    </rule>
 </ruleset>
incoming-communication-barring>
```

Comments:

SUT UA S **UAC**

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying 603 Décline ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_010	4.5.2.6	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/12

Incoming communication barring evaluates 'external list'. Configuration over Ut interface. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches the served user's incoming communication barring rules referring to an external list.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

XML abstract

```
<incoming-communication-barring active="true">
 <ruleset>
    <rule id="[any identifier]">
         <conditions>
             <external-list>
                  <entry anc="<any URI referring to the external list (PIXIT)>"></entry>
              </external-list>
         </conditions>
         <actions>
             <allow>false</allow>
         </actions>
    </rule>
 </ruleset>
incoming-communication-barring>
```

Comments:

UA C SUT **UAS**

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying **← Announcement**

603 Decline ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_011	4.5.2.6.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/13

Incoming communication barring evaluates 'external list'. Configuration using SIP based user configuration.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches the served user's incoming communication barring rules referring to an external list.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	ncement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annound	cement deactivation	1		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_012	4.5.2.6.1	PICS 4.5.1/2 AND
_		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			PICS 4.7.1/13

Incoming communication barring evaluates 'external list'. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the P-Asserted-Identity or the From header field matches the served user's incoming communication barring rules referring to an external list.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

interior in its equation in a sip.	COOT VICE COUCE, PITOI	io comone variy	domain, doer-dialouning on 72.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result annou	ncement activation			
BYE	→			
200 OK BYE	(
INVITE 2	→			
100 Trying	←			
	Announcement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
	cement deactivatio	n		
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_013	4.5.2.6.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/16

Incoming communication barring evaluates 'communication-diverted'. Configuration over Ut interface.

Ensure that an incoming communication is rejected when the evaluation of the History-info header field matches the served user's incoming communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

XML abstract

incoming-communication-barring>

SIP header values:

INVITE:

History-Info: any value

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE
100 Trying
603 Decline
ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_014	4.5.2.6	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/16

Incoming communication barring evaluates 'communication-diverted'. Configuration over Ut interface. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the History-info header field matches the served user's incoming communication barring rules.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

XML abstract

```
<incoming-communication-barring active="true">
 <ruleset>
    <rule id="[any identifier]">
         <conditions>
             <communication-diverted/>
         </conditions>
         <actions>
             <allow>false</allow>
         </actions>
    </rule>
 </ruleset>
```

incoming-communication-barring>

SIP header values:

INVITE:

History-Info: any value

Comments:

UA C SUT **UAS**

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying (**Announcement**

603 Decline **→** ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_015	4.5.2.6.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/17

Incoming communication barring evaluates 'communication-diverted'. Configuration using SIP based user configuration.

Ensure that an incoming communication is rejected when the evaluation of the History-info header field matches the served user's incoming communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected. The service configuration takes place using SIP based user configuration.

SIP header values: INVITE 2:

History-Info: any value	Э			
INVITE 1: Request line sip:<	service code>:phon	e-context= <any d<="" th=""><th>omain>;user=dialstring SIP/2.0</th><th></th></any>	omain>;user=dialstring SIP/2.0	
Comments:		•	,	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annour	ncement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annound	ement deactivation	1		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_016	4.5.2.6.1	PICS 4.5.1/2 AND
_		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			PICS 4.7.1/17

Incoming communication barring evaluates 'communication-diverted'. Configuration using SIP based user configuration. An announcement is provided.

Ensure that an incoming communication is rejected when the evaluation of the History-info header field matches the served user's incoming communication barring rules.

Ensure that the SUT provides an announcement to the originating user before sending a 603 (Decline) final response

when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

History-Info: any value

INVITE 1: Request line sip		e-context= <any< th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any<>	domain>;user=dialstring SIP/2.0	
Comments:	•		-	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
	uncement activation			
BYE	→			
200 OK BYE	←			
	_			
INVITE 2	→			
100 Trying	←			
	Announcement			
603 Decline	(
ACK	→			
INDUTE 4	•			
INVITE 1)			
200 OK INVITE	(
ACK	→			
	ncement deactivation			
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_017	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22

The SUT stores the identity in the incoming barring rules as indicated in a 603. Configuration over Ut interface. Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends a 603 Decline in the early dialogue containing a Reason header field containing '603 Decline'. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)

The service configuration takes place over the Ut interface using XCAP.

SIP header values:

603 1:

Comments:	acc-ccc,text- Becinic			
UA C	SU	Т	UA S	
HTTP Request (activate or	utgoing communication barrin	g "identity")		
INVITE	→	→	INVITE	
180 Ringing	←	←	180 Ringing	
		←	603 Decline 1	
603 Decline 2	←	→	ACK	
ACK	→			
INVITE	→			
603 Decline	-			
ACK	→			
HTTP Request (deactivate	outgoing communication bar	ring "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_018	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/22

The SUT stores the identity in the incoming barring rules as indicated in a 603. Configuration over Ut interface. Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends a 603 Decline in the early dialogue containing a Reason header field containing '603 Decline'. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)

The service configuration takes place over the Ut interface using XCAP.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

603 1:

1 todoon: On ,oddoo=ooo,toxt			
Comments:			
UA C	SUT		UA S
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement a	ctivation		
BYE	→		
200 OK BYE	←		
INVITE 2	→	→	INVITE
180 Ringing	←	←	180 Ringing
		←	603 Decline 1
603 Decline 2	←	→	ACK
ACK	→		
INVITE	→		
603 Decline 2	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	-		
ACK	→		
Result announcement de	activation		
BYE	→		
200 OK BYE	←		
LOO ON DIL	•		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_019	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22

The SUT stores the identity in the incoming barring rules as indicated in BYE. Configuration over Ut interface. Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends a BYE request in the confirmed state containing a Reason header field containing '603 Decline'. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)

The service configuration takes place over the Ut interface using XCAP.

SIP header values:

BYE 1:

Comments: UA C	SUT		UA S	
HTTP Request (activate outgo	ng communication barring "i	dentity")		
INVITE 180 Ringing 200 OK INVITE ACK	→ ← ← →	→ ← ← →	INVITE 180 Ringing 200 OK INVITE ACK	
BYE 2 200 OK BYE	← →	← →	BYE 1 200 OK BYE	
INVITE 603 Decline ACK	→ ← →			
HTTP Request (deactivate out	going communication barring	g "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_020	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/23

The SUT stores the identity in the incoming barring rules as indicated in a BYE. Configuration over Ut interface. Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends a BYE request in the confirmed state containing a Reason header field containing 603 Decline. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)

The service configuration takes place over the Ut interface using XCAP.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

BYE 2:

110000111 011 100000 00011011			
Comments:			
UA C	SUT		UA S
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement a	activation		
BYE 1	→		
200 OK BYE	←		
INVITE 2	→	→	INVITE
180 Ringing	←	←	180 Ringing
200 OK INVITE	←	←	200 OK INVITE
ACK	→	→	ACK
D) (5.0	_	_	DVE 0
BYE 3	((BYE 2
200 OK BYE	→	→	200 OK BYE
INVITE 3	→		
603 Decline	-		
ACK	→		
ACK	7		
INVITE 1	→		
200 OK INVITE	-		
ACK	÷		
Result announcement de	eactivation		
BYE 4	→		
200 OK BYE	-		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_021	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22

The SUT stores the identity in the incoming barring rules as indicated in a INVITE in the early dialogue. Configuration over Ut interface.

Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends an INVITE with the proper service code in the request line in the early dialogue. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)

The service configuration takes place over the Ut interface using XCAP.

SIP header values:

INVITE 1: Request line sip: <serv< th=""><th>ice code>;phone-context=<ai< th=""><th>ny domain:</th><th>s;user=dialstring SIP/2.0</th><th></th></ai<></th></serv<>	ice code>;phone-context= <ai< th=""><th>ny domain:</th><th>s;user=dialstring SIP/2.0</th><th></th></ai<>	ny domain:	s;user=dialstring SIP/2.0	
Comments:				
UA C	SUT		UA S	
HTTP Request (activate outgoing	communication barring "iden	tity")		
INVITE 1	→	→	INVITE	
180 Ringing	←	←	180 Ringing	
		←	INVITE 1	
		→	200 OK INVITE	
		←	ACK	
		←	BYE	
		→	200 OK BYE	
4xxx	←	←	4xxx	
ACK	→	→	ACK	
INVITE 1	→			
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoi	ng communication barring "id	entity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_022	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/23

The SUT stores the identity in the incoming barring rules as indicated in a INVITE in the early dialogue. Configuration over Ut interface.

Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends an INVITE with the proper service code in the request line in the early dialogue. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)
The service configuration takes place over the Ut interface using XCAP.

SIP header values:

INVITE 3: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

•					
Comments:					
UA C		SUT		UA S	
INVITE 1	→				
200 OK INVITE	←				
ACK	→				
Result announcem					
BYE	→				
200 OK BYE	←				
INVITE 2	→		→	INVITE	
180 Ringing	←		←	180 Ringing	
			←	INVITE 1	
			→	200 OK INVITE	
			←	ACK	
			←	BYE	
			→	200 OK BYE	
4xxx	←		←	4xxx	
ACK	→		→	ACK	
INVITE 3	→				
603 Decline	÷				
ACK	÷				
7.0.1	-				
INVITE 1	→				
200 OK INVITE	←				
ACK	→				
Result announceme					
BYE	→				
200 OK BYE	←				

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_023	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22

The SUT stores the identity in the incoming barring rules as indicated in a INVITE in the confirmed dialogue. Configuration over Ut interface.

Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends an INVITE with the proper service code in the request line in the confirmed dialogue. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)
The service configuration takes place over the Ut interface using XCAP.

SIP header values:

INVITE 2: Request line sip:	<service code="">;phone-cor</service>	text= <any domain<="" th=""><th>>;user=dialstring SIP/2.0</th><th></th></any>	>;user=dialstring SIP/2.0	
Comments: UA C	s	UT	UA S	
HTTP Request (activate out	going communication barri	ng "identity")		
INVITE 1 180 Ringing 200 OK INVITE ACK	→ ← ←	→ ← ←	INVITE 180 Ringing 200 OK INVITE ACK	
		← → ←	INVITE 2 200 OK INVITE ACK	
		← →	BYE 1 200 OK BYE	
BYE 200 OK BYE	← →	← →	BYE 2 200 OK BYE	
INVITE 3 603 Decline ACK	→ ← →			
HTTP Request (deactivate of	outgoing communication ba	arring "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_024	4.5.2.6.1	PICS 4.5.1/2 AND
			PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/23

The SUT stores the identity in the incoming barring rules as indicated in a INVITE in the confirmed dialogue. Configuration over Ut interface.

Ensure that the identity of an incoming communication is stored in the incoming communication barring rules if the served user sends an INVITE with the proper service code in the request line in the confirmed dialogue. An additional call attempt to the served user is rejected according the incoming communication barring rules upgraded with the stored identity. (Applicable use in blacklist.)

The service configuration takes place over the Ut interface using XCAP.

SIP header values:

INVITE 3: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

Comments:			•
Comments:	OUT		
UA C	SUT		UA S
INVITE 1 →			
200 OK INVITE ←			
ACK →			
Result announcement activatio	n		
BYE →			
200 OK BYE ←			
INVITE 2 →		→	INVITE
180 Ringing ←		←	180 Ringing
200 OK ĬNVITE ←		←	200 OK INVITE
ACK →		→	ACK
		←	INVITE 1
		→	200 OK INVITE
		÷	ACK
		-	, tort
		←	BYE
		→	200 OK BYE
			200 011 2 1 2
BYE		←	BYE 2
200 OK BYE →		→	200 OK BYE
200 0112		=	200 011 212
INVITE 3 →			
603 Decline			
ACK →			
INVITE 1 →			
200 OK INVITE			
ACK →			
Result announcement deactivation	on		
BYE →			
200 OK BYE ←			

5.2.3 Action for ACR at the terminating AS

The service configuration takes place over the Ut interface using XCAP.

TSS ACR_CB/Network/ACR_terminating_AS	TP ACR-CB_N03_001	CB reference 4.5.2.6.2	Selection expression PICS 4.5.1/2 AND			
		4.9.1.4	PICS 4.7.1/2 AND			
			NOT PICS 4.7.1/4 AND NOT PICS 4.7.1/5 AND			
			PICS 4.7.1/14			
Test purpose						
ACR service rejects an anonymous commun						
Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity						
header AND the Privacy header indicating "id".						
Ensure that the ACR is sending a 433 (Anon	ymity Disallowed) resp	onse when the comn	nunication is rejected.			

XML abstract

SIP header values:

INVITE:

Privacy: id

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE

100 Trying

433 Anonymity Disallowed

ACK

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_002	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
Tost nurnosa			

ACR service rejects an anonymous communication, Privacy value is 'id'. An announcement is provided. Configuration over Ut interface.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "id".

Ensure that the ACR service provides an announcement to the originating user before sending a 433 (Anonymity Disallowed) response when the communication is rejected.

SUT

UA S

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

SIP header values:

INVITE:

Privacy: id

Comments:

UA C

HTTP Request (activate outgoing communication barring "identity")

INVITE →
100 Trying ←

Announcement

433 Anonymity Disallowed ← ACK ←

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_003	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 ANDNOT
			PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/14

ACR service forwards an anonymous communication, Privacy value is 'id'. The communication is forwarded to an announcement service. Configuration over Ut interface.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "id".

Ensure that the **communication is forwarded to voice message service** instead of rejecting the communication with a 433 (Anonymity Disallowed) final response.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

SIP header values:

INVITE:

Privacy: id

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

BYE → 200 OK BYE ←

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_004	4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service rejects an anonymous communication, Privacy value is 'id'. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "id".

Ensure that the ACR is sending a 433 (Anonymity Disallowed) response when the communication is rejected. The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

INVITE 2:			
Privacy: id			
INVITE 1: Request line sip: <servi< th=""><th>ce code>;phone-context=<an< th=""><th>y domain>;user=dialstring SIP/2.0</th><th></th></an<></th></servi<>	ce code>;phone-context= <an< th=""><th>y domain>;user=dialstring SIP/2.0</th><th></th></an<>	y domain>;user=dialstring SIP/2.0	
Comments:	•	•	
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcem	ent activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
433 Anonymity Disallowed	←		
ACK	→		
	_		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announceme			
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_005	clause 4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service rejects an anonymous communication, Privacy value is 'id'. An announcement is provided. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "id".

Ensure that the ACR service provides an announcement to the originating user before sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: id

INVITE 1: Request line sip:<	service code>;phor	ne-context= <any< th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any<>	domain>;user=dialstring SIP/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announ	cement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
, ,	Announcement			
433 Anonymity Disallowed	(
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
	ement deactivation	n		
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_006	clause 4.5.2.6.2	PICS 4.5.1/2 AND
_		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service forwards an anonymous communication, Privacy value is 'Id' forwarded to a voice message service. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity

header AND the Privacy header indicating "id".

Ensure that the communication is forwarded to voice message service instead of rejecting the communication with a 433 (Anonymity Disallowed) final response.

The service configuration takes place using SIP based user configuration

SIP header values:

INVITE 2:

Privacy: id

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

	. <service code="">,pri</service>	one-context= <any c<="" th=""><th>domain>,user=diaistring SiF/2.0</th><th></th></any>	domain>,user=diaistring SiF/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	incement activation	on		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
200 OK INVITE	←			
ACK	→			
	Voice message			
BYE	→ ~			
200 OK BYE	←			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result announ	cement deactivat	ion		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_007	4.5.2.6.2	PICS 4.5.1/2 AND
_		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14

ACR service rejects an anonymous communication, Privacy value is 'header'. Configuration over Ut interface. Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "header".

Ensure that the ACR is sending a 433 (Anonymity Disallowed) response when the communication is rejected. The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

SIP header values:

INVITE:

Privacy: header

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

100 Trying +

433 Anonymity Disallowed

ACK -

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_008	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
Test purpose			

ACR service rejects an anonymous communication, Privacy value is 'header'. An announcement is provided. Configuration over Ut interface.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "header".

Ensure that the ACR service provides an announcement to the originating user before sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

```
<incoming-communication-barring active="true">
 <ruleset>
    <rule id="[any identifier]">
        <conditions>
             <anonymous/>
        </conditions>
        <actions>
             <allow>false</allow>
        </actions>
    </rule>
 </ruleset>
incoming-communication-barring>
```

SIP header values:

INVITE:

Privacy: header

Comments:

SUT UA S **UAC**

HTTP Request (activate outgoing communication barring "identity")

INVITE **→** 100 Trying **←**

Announcement

433 Anonymity Disallowed ACK **→**

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_009	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/14

ACR service forwards an anonymous communication, Privacy value is 'header'. Configuration over Ut interface. Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "header".

Ensure that the communication is forwarded to voice message service instead of rejecting the communication with a 433 (Anonymity Disallowed) final response.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

```
<incoming-communication-barring active="true">
    <ruleset>
    <rule id="[any identifier]">
        <conditions>
        <anonymous/>
        </conditions>
        <actions>
        <allow>false</allow>
        </rule>
    </ruleset>
    </rule>
    </rule
```

SIP header values:

INVITE:

Privacy: header

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

BYE →
200 OK BYE ←

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_010	4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service rejects an anonymous communication, Privacy value is 'header'. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "header".

Ensure that the ACR is sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: header

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

INVITE 1: Request line sip. <service< th=""><th>ce codez,priorie</th><th>-context-carry c</th><th>iomaniz, user = diaisting on 72.0</th><th></th></service<>	ce codez,priorie	-context-carry c	iomaniz, user = diaisting on 72.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announceme	ent activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
433 Anonymity Disallowed	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcemer	nt deactivation			
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_011	4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service rejects an anonymous communication, Privacy value is 'header'. An announcement is provided.

Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "header".

Ensure that the ACR service provides an announcement to the originating user before sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: header

INVITE 1: Request line sip: <se< th=""><th>rvice code>;phon</th><th>e-context=<any< th=""><th>/ domain>;user=dialstring SIP/2.0</th><th></th></any<></th></se<>	rvice code>;phon	e-context= <any< th=""><th>/ domain>;user=dialstring SIP/2.0</th><th></th></any<>	/ domain>;user=dialstring SIP/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announce	ment activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
An	nouncement			
433 Anonymity Disallowed	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcen	nent deactivation	1		
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_012	4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	NOT PICS 4.7.1/5 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service forwards an anonymous communication, Privacy value is 'header'. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "header".

Ensure that the communication is forwarded to voice message service instead of rejecting the communication with a 433 (Anonymity Disallowed) final response.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: header

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

INTITE IN REGULATION SIP.	cool vioo oodoz,priorio	oontoxt- variy	domain, doct-dialoung on 72.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annour	cement activation			
BYE	→			
200 OK BYE	(
INVITE 2	→			
100 Trying	←			
200 OK INVITE	←			
ACK	→			
	Voice message			
BYE	→			
200 OK BYE	←			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
	ement deactivation			
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_013	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
Tost nurnoso			

ACR service rejects an anonymous communication, Privacy value is 'user'. Configuration over Ut interface. Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "user".

Ensure that the ACR is sending a 433 (Anonymity Disallowed) response when the communication is rejected. The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

SIP header values:

INVITE:

Privacy: user

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE →
100 Trying ←

433 Anonymity Disallowed

ACK -

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_014	4.5.2.6.2	PICS 4.5.1/2 AND
_		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
Test purpose			·
ACD somiles rejects on ananymous somm	misstian Drives wolve i	alugari An annauna	amont is provided

ACR service rejects an anonymous communication, Privacy value is 'user'. An announcement is provided. Configuration over Ut interface.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "user".

Ensure that the ACR service provides an announcement to the originating user before sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

```
<incoming-communication-barring active="true">
    <ruleset>
    <rule id="[any identifier]">
        <conditions>
        <anonymous/>
        </conditions>
        <actions>
        <atlow>false</allow>
        </actions>
        </rule>
    </rule>
</rule>
</rule>
</incoming-communication-barring>
```

SIP header values:

INVITE:

Privacy: user

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE → 100 Trying ←

Announcement

433 Anonymity Disallowed ← ACK ←

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_015	4.5.2.6.2	PICS 4.5.1/2 AND
_		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/14

ACR service forwards an anonymous communication, Privacy value is 'user'. The communication is forwarded to an announcement service. Configuration over Ut interface.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "user".

Ensure that the communication is forwarded to voice message service instead of rejecting the communication with a 433 (Anonymity Disallowed) final response.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

```
<incoming-communication-barring active="true">
    <ruleset>
    <rule id="[any identifier]">
        <conditions>
        <anonymous/>
        </conditions>
        <actions>
        <atlookself = allow | allow |
        </actions>
        </rule>
    </rule>
    </ruleset>
</incoming-communication-barring>
```

SIP header values:

INVITE:

Privacy: user

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

BYE →
200 OK BYE ←

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_016	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service rejects an anonymous communication, Privacy value is 'user'. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "user".

Ensure that the ACR is sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: user

INVITF 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

INVITE 1: Request line sip: <service< th=""><th>code>;pnone-context=<any< th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any<></th></service<>	code>;pnone-context= <any< th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any<>	domain>;user=dialstring SIP/2.0	
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement	activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
433 Anonymity Disallowed	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement of	deactivation		
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_017	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service rejects an anonymous communication, Privacy value is 'user'. An announcement is provided.

Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "user".

Ensure that the ACR service provides an announcement to the originating user before sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: user			
INVITE 1: Request line sip: <ser< td=""><td>rice code>;phone-conte</td><td>xt=<any domain="">;user=dialstri</any></td><td>ng SIP/2.0</td></ser<>	rice code>;phone-conte	xt= <any domain="">;user=dialstri</any>	ng SIP/2.0
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcem	nent activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
Ann	ouncement		
433 Anonymity Disallowed	(
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announceme	ent deactivation		
BYE	→		
200 OK BYE	+		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_018	4.5.2.6.2	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			NOT PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/15

ACR service forwards an anonymous communication, Privacy value is 'user'. The communication is forwarded to an announcement service. Configuration using SIP based user configuration.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "user".

Ensure that the communication is forwarded to voice message service instead of rejecting the communication with a 433 (Anonymity Disallowed) final response.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

TSS

Privacy: user

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0 Comments: UA C SUT **UAS INVITE 1** 200 OK INVITE ACK Result announcement activation BYE 200 OK BYE **INVITE 2** 100 Trying 200 OK INVITE ACK Voice message BYE 200 OK BYE INVITE 1 200 OK INVITE ACK Result announcement deactivation **BYE** 200 OK BYE

5.2.4 Actions at the destination UE

TP

ACR-CB/User/Destination_UE	ACR-CB_U01_001	4.5.0	PICS 4.5.1/1 AND				
			PICS 4.6.1/4				
Test purpose							
The User Equipment is able to send an IN configuration.	The User Equipment is able to send an INVITE request including an SSC command to use SIP based user						
Ensure that a User Equipment is able to send an INVITE request including an SSC command to use SIP based user configuration.							
SIP header values:							
INVITE: Request line sip: <service code="">;phone-context=<any domain="">;user=dialstring SIP/2.0</any></service>							
Comments:							
UE (Gm#1) Test equipment (Gm#2)							
INVITE	→	INVITE					
Apply post test routine							

Reference

Selection expression

TSS ACR-CB/User/Destination UE	TP ACR-CB_U01_002	Reference 4.5.2.13	Selection expression PICS 4.5.1/1 AND
ACIT-CD/OSel/Destillation_OL	ACIN-CB_001_002	4.5.2.15	PICS 4.6.1/1
Test purpose		•	
The User Equipment is able to send	a 603 Decline to indicate i	ncoming call barr	ring.
Ensure that a User Equipment is abl parameter set to '603' and the text p		0	
SIP header values:			-
603:			
Reason: SIP;cause=603;	text="Decline"		
Comments:			
UE (Gm#1)		Test eq	uipment (Gm#2)
INVITE	←	INVITE	
180 Ringing	→	180 Ring	ging
Apply proc	edure to indicate incomi	ng communicati	on barring
000 D "	•		

→

←

603 Decline

ACK

603 Decline

ACK

TSS	TP	Reference	Selection expression
ACR-CB/User/Destination_UE	ACR-CB_U01_003	4.5.2.13	PICS 4.5.1/1 AND
			PICS 4.6.1/2
Test purpose	·		
The User Equipment is able to ser	nd a BYE request to indicate	incoming call bar	ring.
Ensure that a User Equipment is a	ble to send a BYE request of	ontaining a Reas	on header set to SIP the cause
parameter set to '603' and the text	parameter set to 'Decline' to	indicate incomin	g call barring.
SIP header values:			
BYE:			
Reason: SIP;cause=603	3;text="Decline"		
Comments:			
UE (Gm#1)		Test eq	uipment (Gm#2)
INVITE	←	INVITE	
180 Ringing	→	180 Ring	ging
200 OK INVITE	→	200 OK	INVITE
ACK	←	ACK	
Apply proced	dure to indicate incoming of	communication b	parring in BYE
BYE	→ _	BYE	-
200 OK BYE	←	200 OK	BYE

TSS	TP	Reference	Selection expression
ACR-CB/User/Destination_UE	ACR-CB_U01_004	4.5.2.13	PICS 4.5.1/1 AND
			PICS 4.6.1/3
Test purpose			
The User Equipment is able to send a	an INVITE request in the e	early dialogue to i	ndicate incoming call barring.
Ensure that a User Equipment is able	to send an INVITE reque	est in the early dia	logue including an SSC command
to indicate incoming call barring.			
SIP header values:		•	
INVITE 2: Request line sip: <service< td=""><td>code>;phone-context=<a< td=""><td>ny domain>;user=</td><td>dialstring SIP/2.0</td></a<></td></service<>	code>;phone-context= <a< td=""><td>ny domain>;user=</td><td>dialstring SIP/2.0</td></a<>	ny domain>;user=	dialstring SIP/2.0
Comments:			
UE (Gm#1)		Test equ	uipment (Gm#2)
INVITE	←	INVITE 1	1
180 Ringing	→	180 Ring	
Apply procedure	to indicate incoming co	mmunication ba	rring in INVITE
INVITE 2	→	INVITE	
200 OK INVITE	←	200 OK	INVITE
ACK	→	ACK	
BYE 2	→	BYE	
200 OK BYE	←	200 OK	BYE
	Apply post test	routine	

TSS ACR-CB/User/Destination_UE	TP ACR-CB_U01_005	Reference 4.5.2.13	Selection expression PICS 4.5.1/1 AND					
			PICS 4.6.1/3					
Test purpose								
The User Equipment is able to send an IN	IVITE request in the c	confirmed dialogue to	indicate incoming call barring.					
Ensure that a User Equipment is able to s command to indicate incoming call barring		st in the confirmed dia	alogue including an SSC					
SIP header values:								
INVITE: Request line sip: <service code=""></service>	;phone-context= <any< td=""><td>domain>;user=dialstr</td><td>ing SIP/2.0</td></any<>	domain>;user=dialstr	ing SIP/2.0					
Comments:	·	•						
UE (Gm#1)		Test equipm	ent (Gm#2)					
INVITE	←	INVITE 1	(
180 Ringing	→	180 Ringing						
l se s mignig	→	200 OK INVI	TE					
	+	ACK						
Apply procedure to in	ndicate incoming co		g in INVITE					
INVITE 2	→	INVITE	9					
200 OK INVITE	+	200 OK INVI	TE					
ACK	→	ACK						
	•							
BYE 2	→	BYE						
200 OK BYE	É	200 OK BYE						
	Apply post test r							

5.3 Interaction with other simulation services

Originating Identification Presentation (OIP) 5.3.1

ACR-CB/Network/interaction_OIP	ACR-CB_N04_001	4.6.4 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/2 AND
		4.9.1.4	PICS 4 7 1/2 AND
• •			
			PICS 4.7.1/14 AND
-			PICS 4.7.2/1
Test purpose			
ACR does not apply to due override catego			
Ensure that the ACR service shall not apply OIP service.	y If the called user has sub	scribed to the override	e category according to the
The service configuration takes place over	the Ut interface using XCA	P.	
Preconditions: OIP override category			
KML abstract			
<incoming-communication-barring active="</p></td><td>true"></incoming-communication-barring>			
<ruleset></ruleset>			
<rule id="[any identifier]"></rule>			
<conditions></conditions>			
<anonymous></anonymous>			
<actions></actions>			
<allow>false</allow>			
incoming-communication-barring			
SIP header values:			
NVITE:			
Privacy: id			
Comments:			
JA C	SUT	UA S	
HTTP Request (activate outgoing communi	cation barring "identity")		
NVITE →		INVITE	
100 Trying		100 Trying	
180 Ringing		180 Ringing	
200 OK INVITE		200 OK INVITE	=
ACK →		ACK	-
10N 7	Communication	ACN	
BYE →	Communication	BYE	
200 OK BYE	7		
200 ON DIE	~	- ZUU UK BYE	
HTTP Request (deactivate outgoing comm	unication harring "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_OIP	ACR-CB_N04_002	4.6.4	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/15 AND
			PICS 4.7.2/1

Test purpose
ACR does not apply to due override category according to the OIP service. Configuration using SIP based user configuration.

Ensure that the ACR service shall not apply If the called user has subscribed to the override category according to the OIP service.

The service configuration takes place using SIP based user configuration.

Preconditions: OIP override category

SIP header values:

INVITE 2:

Privacy: id

INVITE 1: Request line sip: <service cod<="" th=""><th>de>;phone-context=<any d<="" th=""><th>lomain>;</th><th>user=dialstring SIP/2.0</th></any></th></service>	de>;phone-context= <any d<="" th=""><th>lomain>;</th><th>user=dialstring SIP/2.0</th></any>	lomain>;	user=dialstring SIP/2.0
Comments:	•		-
UA C	SUT		UA S
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement ac	tivation		
BYE	→		
200 OK BYE	←		
	_		
INVITE	→		INVITE
100 Trying	-		100 Trying
180 Ringing	←		180 Ringing
200 OK INVITE	←		200 OK INVITE
ACK	→		ACK
	Communication	_	
BYE	→	→	BYE
200 OK BYE	←	←	200 OK BYE
INDUITE 4	_		
INVITE 1	→		
200 OK INVITE	← →		
ACK	-		
Result announcement dea			
BYE	7		
200 OK BYE	←		

5.3.2 CONFerence Calling (CONF)

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_001	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			PICS 4.7.1/6 AND
			PICS 4.7.2/3

Test purpose

OCB evaluates 'identity' with one item. REFER request with a refer-to-target barred according OCB rules. Configuration using SIP based user configuration.

Ensure that a REFER request is rejected when the evaluation of the Refer-to URI matches in one of the served user's outgoing communication barring rules (Black list).

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
Preconditions: Subscription to CONF service
```

</outgoing-communication-barring>

REFER:

Refer-To: [URI barred]

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE (conference factory URI)
200 OK INVITE

ACK

→

REFER → 603 Decline ←

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_002	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/3 AND
		4.3.3/[4]	PICS 4.7.1/7 AND
			PICS 4.7.2/3

OCB evaluates 'identity' with one item. REFER request with a refer-to-target barred according OCB rules.

Configuration using SIP based user configuration.

Ensure that a REFER request is rejected when the evaluation of the Refer-to URI matches in one of the served user's

outgoing communication barring rules (Black list).

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected. The service configuration takes place using SIP based user configuration.

Preconditions: Subscription to CONF service

SIP header values:

INVITE: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

REFER:

IXLI LIX.				
Refer-To: [URI barred]				
Comments:	•			
UA C		SUT	UA S	
INVITE	→			
200 OK INVITE	←			
ACK	→			
Result announcemer	nt activation			
BYE	→			
200 OK BYE	-			
INVITE (conference factory URI)	→			
200 OK INVITE	←			
ACK	→			
REFER	→			
603 Decline	←			
	_			
INVITE	→			
200 OK INVITE	(
ACK	→			
Result announcement		1		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_003	4.5.2.4.1	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/3 AND
			PICS 4.7.1/6 AND
			PICS 4.7.2/3

OCB evaluates 'identity' with one item. Remove URI from the "recipient-list" if the entry is barred according OCB rules. Configuration using SIP based user configuration.

Ensure that an entry is removed from a "recipient-list" in an INVITE request to create a conference when the evaluation of the URI of the 'entry' element matches one of the served user's outgoing communication barring rules (Black list).

```
The service configuration takes place over the Ut interface using XCAP.
Preconditions: Subscription to CONF service
XML abstract
<outgoing-communication-barring active="true">
  <ruleset>
     <rule id="<any identifier>">
          <conditions>
              <identity>
                    <one id="[any URI (PIXIT)]"></one>
              </identity>
          </conditions>
          <actions>
              <allow>false</allow>
          </actions>
     </rule>
  </ruleset>
</outgoing-communication-barring>
SIP header values:
INVITE: 1
<resource-lists xmlns="urn:ietf:params:xml:ns:resource-lists" xmlns:cp="urn:ietf:params:xml:ns:copyControl">
          <entry uri="[barred URI]" cp:copyControl="to"/>
          <entry uri="[any URI not barred]" cp:copyControl="to"/>
     ∠/list>
</resource-lists>
INVITE: 2
<resource-lists xmlns="urn:ietf:params:xml:ns:resource-lists" xmlns:cp="urn:ietf:params:xml:ns:copyControl">
     t>
         <entry uri="[any URI not barred]" cp:copyControl="to"/>
     </list>
</resource-lists>
Comments:
UA C
                                                     SUT
                                                                              UAS (ISC)
HTTP Request (activate outgoing communication barring "identity")
INVITE 1 (conference factory URI)
200 OK INVITE
                                                                              INVITE 2 (conference factory URI)
                                         ←
ACK
                                                                              200 OK INVITE
```

HTTP Request (deactivate outgoing communication barring "identity")

ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_004	4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/3 AND
		4.3.3/[4]	PICS 4.7.1/7 AND
			PICS 4.7.2/3

OCB evaluates 'identity' with one item. Remove URI from the "recipient-list" if the entry is barred according OCB rules. Configuration using SIP based user configuration.

Ensure that an entry is removed from a "recipient-list" in an INVITE request to create a conference when the evaluation of the URI of the 'entry' element matches one of the served user's outgoing communication barring rules (Black list). The service configuration takes place using SIP based user configuration.

Preconditions: Subscription to CONF service

```
SIP header values:
```

INVITE1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

```
INVITE 2:
```

</list> </resource-lists> Comments:

200 OK BYE

Comments.			
UA C		SUT	UA S (ISC)
INVITE	→		` ,
200 OK INVITE 1	←		
ACK	→		
Result announcemen	t activation		
BYE	→		
200 OK BYE	←		
INVITE 2 (conference factory URI)	→		
200 OK INVITE	←	→	INVITE 3 (conference factory URI)
ACK	→	←	200 OK INVITE
		→	ACK
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement	deactivation		
BYE	→		

Apply post test routine

5.3.3 Communication Diversion services (CDIV)

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_001	4.6.7	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/14 AND
			PICS 4.7.2/2

Test purpose

ACR has precedence if the served user has activated the communication diversion service. Configuration over Ut interface.

The ACR service shall take precedence over the Communication Diversion service for the served user If the served user has activated the ACR.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "id".

Ensure that the SUT is sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

SIP header values:

INVITE:

Privacy: id

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE
100 Trying
433 Anonymity Disallowed
ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_002	4.6.7	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/15 AND
			PICS 4.7.2/2

ACR has precedence if the served user has activated the communication diversion service. Configuration using SIP based user configuration.

The ACR service shall take precedence over the Communication Diversion service for the served user If the served user has activated the ACR.

Ensure that the ACR service rejects the incoming communication where the request includes the P-Asserted-Identity header AND the Privacy header indicating "id".

Ensure that the SUT is sending a 433 (Anonymity Disallowed) response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 2:

Privacy: id

INVITE 1: Request line sip:<service code>:phone-context=<any domain>:user=dialstring SIP/2.0

INVITE 1. Request line sip. <set< th=""><th>vice code>,priorie-</th><th>Context=\arry u</th><th>ornainz, user – diaistring Sir /2.0</th><th></th></set<>	vice code>,priorie-	Context=\arry u	ornainz, user – diaistring Sir /2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement activation				
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
433 Anonymity Disallowed	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement deactivation				
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_003	4.6.7	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
			PICS 4.7.1/10 AND
			PICS 4.7.2/2

ICB has precedence if the served user has activated the communication diversion service. Configuration over Ut interface.

Ensure that the ICB service shall take precedence over the Communication Diversion service for the served user If the served user has activated the ICB.

Ensure that an outgoing communication is rejected when the evaluation of the 'identity' condition matches the P-Asserted-Identity or the From header field of the served users outgoing communication barring rules.

Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place over the Ut interface using XCAP.

```
XML abstract
```

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE

100 Trying

603 Decline

ACK

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_004	4.6.7	PICS 4.5.1/2 AND
		4.3.2/[4]	PICS 4.7.1/2 AND
		4.3.3/[4]	PICS 4.7.1/11 AND
			PICS 4.7.2/2

ICB has precedence if the served user has activated the communication diversion service. Configuration using SIP based user configuration.

Ensure that the ICB service shall take precedence over the Communication Diversion service for the served user If the served user has activated the ICB.

Ensure that an outgoing communication is rejected when the evaluation of the 'identity' condition matches the P-Asserted-Identity or the From header field of the served users outgoing communication barring rules. Ensure that the SUT is sending a 603 (Decline) final response when the communication is rejected.

The service configuration takes place using SIP based user configuration.

SIP header values:

INVITE 1: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

Comments:	•			
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Resu	It announcement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
	-			
100 Trying	-			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
	announcement deactivation			
BYE	→			
200 OK BYE	←			

Annex A (informative): Bibliography

• ETSI TS 124 238: "Universal Mobile Telecommunications System (UMTS); LTE; Session Initiation Protocol (SIP) based user configuration; Stage 3 (3GPP TS 24.238 Release 10)".

History

Document history			
V1.0.0	June 2008	Publication	
V2.1.1	July 2009	Publication	
V5.1.1	September 2012	Publication	
V6.1.1	July 2018	Publication	