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TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU

SERIES Q: SWITCHING AND SIGNALLING

Testing specifications – Testing specifications for SIP-IMS

Anonymous communication rejection and communication barring using IP multimedia core network subsystem; Conformance test specification – Part 2: Test suite structure and test purposes; Network side

Recommendation ITU-T Q.4012.2



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Recommendation ITU-T Q.4012.2

Anonymous communication rejection and communication barring using IP multimedia core network subsystem; Conformance test specification – Part 2: Test suite structure and test purposes; Network side

Summary

Recommendation ITU-T Q.4012.2 provides the testing requirements for the supplementary service "Anonymous communication rejection (ACR) and communication barring (CB) using IP multimedia (IM) core network (CN) subsystem; Conformance test specification – Part 2: Test suite structure and test purposes (TSS&TP) for the network side" (based on Recommendation ITU-T Q.3628 v.1).

The version number, v.1, indicates that this is version one of Recommendation ITU-T Q.4012.2, and that it relates to Release 10 of the relevant 3GPP/ETSI standard.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Q.4012.2 v.1	2016-08-29	11	11.1002/1000/13008

Keywords

ACR, anonymous communication rejection, IMS, IP multimedia subsystem, testing, test suite structure and test purposes, TSS&TP.

^{*} To access the Recommendation, type the URL http://handle.itu.int/ in the address field of your web browser, followed by the Recommendation's unique ID. For example, http://handle.itu.int/11.1002/1000/11830-en.

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Recommendation ITU-T Q.4012.2

Anonymous communication rejection and communication barring using IP multimedia core network subsystem; Conformance test specification – Part 2: Test suite structure and test purposes; Network side

1 Scope

This Recommendation is Part 2 of a multi-part deliverable covering anonymous communication rejection (ACR) and communication barring (CB) using IP multimedia (IM) core network (CN) subsystem; conformance test specification – Part 2: Test suite structure and test purposes (TSS&TP); Network side, as identified below:

Part 1: "Protocol implementation conformance statement (PICS)";

Part 2: "Test suite structure and test purposes (TSS&TP); Network side";

Part 3: "Test suite structure and test purposes (TSS&TP); User side".

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T Q.3628 v.1] Recommendation ITU-T Q.3628 v.1 (2016), Anonymous communication rejection and communication barring using IP multimedia core network subsystem – Protocol specification.

[ITU-T Q.4012.1 v.1] Recommendation ITU-T Q.4012.1 v.1 (2016), Anonymous communication rejection and communication barring using IP multimedia core network; Conformance testing specification – Part 1: Protocol implementation conformance statement.

3 Definitions

3.1 Terms defined elsewhere

None.

3.2 Terms defined in this Recommendation

None.

4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

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

5 Conventions

None.

6 Test Suite Structure

Table 6-1 – 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

6.1 Configuration

The scope of this Recommendation is to test the signalling and procedural aspects of the stage 3 requirements as described in [ITU-T Q.3628 v.1]. Stage 3 describes the requirements for several network entities and also for terminal devices. Consequently, several interfaces (reference points) are addressed to satisfy the test of the different entities.

In order to test the appropriate entities the configurations below are applicable.

6.1.1 Testing of the application server

The application server (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.

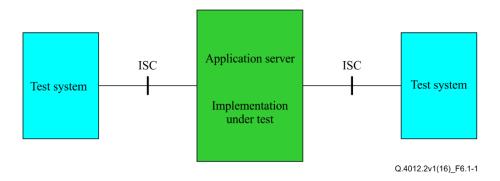


Figure 1 – Applicable interface to test AS functionalities

If the ISC interface is not accessible it is also possible to perform the test of the AS using any network to network interface (NNI) (Mw, Mg, Mx) (see Figure 2). The Gm interface shall be used instead, if it is the only interface available but the verification of all requirements may not be possible.

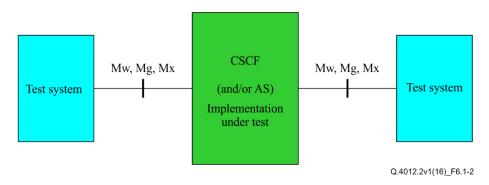


Figure 2 – Applicable interfaces for tests using a (generic) NNI

7 Test Purposes

7.1 Introduction

For each test requirement a test purpose (TP) is defined.

7.1.1 TP naming convention

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

Table 1 – TP identifier naming convention scheme

```
Identifier: <ss>_<iut><group>_<nnn>
<ss> = supplementary service: e.g. "ACR-CB"

<iut> = type of IUT: U User – equipment N Network

<group> = group 2 digit field representing group reference according to TSS

<nnn> = sequential number (001-999)
```

7.1.2 Test strategy

As the base standard [ITU-T Q.3628 v.1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the protocol implementation conformance statement (PICS) specification [ITU-T Q.4012.1]. The criteria applied include the following:

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

7.2 TPs for communication barring and anonymous communication rejection

7.2.1 Actions for OCB at the originating AS

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_001	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/6
			[ITU-T Q.4012.1 v.1]

Test purpose

Outgoing communication barring (OCB) evaluates 'identity' with one item. Configuration over Ut interface.

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 system under test (SUT) is sending a 603 (Decline) final response when the communication is rejected. The service configuration takes place over the Ut interface using the extensible markup language configuration access protocol (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/OCB_originating_AS	ACR-CB_N01_002	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/6
			[ITU-T Q.4012.1 v.1]

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	Clauses	PICS 4.5.1/2 AND
		4.5.2.4.1,	PICS 4.7.1/3 AND
		4.3.2, 4.3.3 of	NOT PICS 4.7.1/4 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/7
			[ITU-T Q.4012.1 v.1]

Outgoing communication barring evaluates 'identity' with one item. Configuration using session initiation protocol (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.

NVITE 1: Request line sip: <service code="">;phone-context=<any domain="">;user=dialstring SIP/2.0 Comments: JA C SUT UA S NVITE 1 200 OK INVITE ACK Result announcement activation BYE</any></service>	Ensure that the SUT is sending a 603 (
NVITE 1: Request line sip: <service code="">; phone-context=<any domain="">; user=dialstring SIP/2.0 Comments: JA C SUT UAS NVITE 1</any></service>	The service configuration takes place u	ising SIP based user config	uration.	
Comments: JA C NVITE 1 200 OK INVITE ACK Result announcement activation BYE 200 OK BYE NVITE 2 100 Trying 603 Decline ACK NVITE 1 200 OK INVITE Result announcement deactivation From the comment of the	SIP header values:			
JA C NVITE 1 200 OK INVITE ACK Result announcement activation BYE 200 OK BYE NVITE 2 100 Trying CACK ACK NVITE 1 200 OK INVITE 1 ACK Result announcement deactivation BYE	INVITE 1: Request line sip: <service co<="" td=""><td>ode>;phone-context=<any of<="" td=""><td>domain>;user=dialstring SIP/2.0</td><td></td></any></td></service>	ode>;phone-context= <any of<="" td=""><td>domain>;user=dialstring SIP/2.0</td><td></td></any>	domain>;user=dialstring SIP/2.0	
NVITE 1 200 OK INVITE ACK Result announcement activation BYE 200 OK BYE NVITE 2 100 Trying C03 Decline ACK NVITE 1 200 OK INVITE 1 Result announcement deactivation BYE ACK Result announcement deactivation BYE ACK Result announcement deactivation	Comments:			
200 OK INVITE ACK Result announcement activation BYE 200 OK BYE NVITE 2 100 Trying 603 Decline ACK	UA C	SUT	UA S	
Result announcement activation BYE 200 OK BYE NVITE 2 100 Trying 603 Decline ACK NVITE 1 200 OK INVITE ACK Result announcement deactivation BYE ACK Result announcement deactivation BYE	INVITE 1	→		
Result announcement activation BYE 200 OK BYE NVITE 2 100 Trying 603 Decline ACK NVITE 1 200 OK INVITE ACK Result announcement deactivation BYE ACK Result announcement deactivation	200 OK INVITE	←		
AVITE 2 NVITE 2 100 Trying 603 Decline ACK NVITE 1 200 OK INVITE Result announcement deactivation BYE ACK Result announcement deactivation ACK Result announcement deactivation	ACK	→		
NVITE 2 100 Trying 603 Decline ACK NVITE 1 200 OK INVITE ACK Result announcement deactivation BYE	Result announcement a	ectivation		
NVITE 2 100 Trying 603 Decline ACK NVITE 1 200 OK INVITE ACK Result announcement deactivation BYE	BYE	→		
## Too Trying	200 OK BYE	←		
## Too Trying	IN WITE O	•		
ACK NVITE 1 200 OK INVITE ACK Result announcement deactivation BYE				
NVITE 1 → 200 OK INVITE ← ACK → Result announcement deactivation BYE →				
NVITE 1 → 200 OK INVITE ← ACK → Result announcement deactivation BYE →				
200 OK INVITE ← ACK → Result announcement deactivation BYE →	ACK	→		
200 OK INVITE ← ACK → Result announcement deactivation BYE →	INVITE 1	4		
ACK → Result announcement deactivation BYE →		-		
Result announcement deactivation BYE Result announcement deactivation		-		
BYE →				
TO ON DIE				
	LOO OR DIE	•		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_004	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/7
			[ITU-T Q.4012.1 v.1]

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:			
	ervice code>:phone-context=	any domain>;user=dialstring SIP/2.0	
Comments:	ccc cccc ,priorio cornoxi—	a, aca ,acc. a.a.o.iiiig cii /2.0	
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
	ement activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
183 Session Progress	←		
	nnouncement		
603 Decline	←		
ACK	→		
INVITE 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_005	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
		Ī	PICS 4.7.1/6
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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

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_006	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
		_	PICS 4.7.1/6
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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

4nnouncement

603 Decline

ACK

→

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_007	Clauses 4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
		Ī	PICS 4.7.1/7
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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:

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

THE THE CONTROL	o dodor, priorio doritonie variy	domain>,dser=dialstring on 72.0	
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcemer	nt activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
603 Decline	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement	deactivation		
BYE	→		
200 OK BYE	+		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_008	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/7
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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.

OID I	acc comg on sacca accircomig		
SIP header values:			
INVITE 1: Request line sip: <ser< th=""><th>vice code>;phone-context=<any c<="" th=""><th>omain>;user=dialstring SIP/2.0</th><th></th></any></th></ser<>	vice code>;phone-context= <any c<="" 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 announcen	nent activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
183 Session Progress	←		
Ann	ouncement		
603 Decline	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announceme	ent deactivation		
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_009	Clauses of 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/8
			[ITU-T Q.4012.1 v.1]

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	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/8
			[ITU-T Q.4012.1 v.1]

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	Clause 4.5.2.4.1 of	PICS 4.5.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
		-	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/9
			[ITU-T Q.4012.1 v.1]

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: <serv< th=""><th>ice code>;pnone-cor</th><th>ntext=<any domain="">;t</any></th><th>iser=dialstring SIP/2.0</th></serv<>	ice code>;pnone-cor	ntext= <any domain="">;t</any>	iser=dialstring SIP/2.0
Comments:			
UA C	SI	JT	UA S
INVITE 1	→		
200 OK INVITE	(
ACK	→		
Result announcem	ent activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
603 Decline	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announceme	nt deactivation		
BYE	→		
200 OK BYE	(

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_012	Clause 4.5.2.4.1 of	PICS 4.5.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/3 AND
			PICS 4.7.1/4 AND
			PICS 4.7.1/9
			[ITU-T Q.4012.1 v.1]

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 config	uration.	
SIP header values:			
INVITE 1: Request line sip: <se< td=""><td>rvice code>;phone-context=<any of<="" td=""><td>lomain>;user=dialstring SIP/2.0</td><td></td></any></td></se<>	rvice code>;phone-context= <any of<="" td=""><td>lomain>;user=dialstring SIP/2.0</td><td></td></any>	lomain>;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	→		
183 Session Progress	←		
An	nouncement		
603 Decline	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcen	nent deactivation		
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/OCB_originating_AS	ACR-CB_N01_013	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/7 AND
			NOT PICS 4.7.1/4
			[ITU-T Q.4012.1 v.1]

Outgoing communication barring evaluates '**internationa**l' 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>;phone-context=<any domain>;user=dialstring SIP/2.0

Comments:	•		-	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result anno	ouncement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
	_			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	uncement deactivation			
BYE	→			
200 OK BYE	+			

7.2.2 Actions for ICB at the terminating AS

TSS ACR-CB/Network/ICB_terminating_AS	TP ACR-CB_N02_001	CB reference Clauses 4.5.2.6.1, 4.9.1.4 [ITU-T Q.3628 v.1]	Selection expression PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/10 [ITU-T Q.4012.1 v.1]
Test purpose Incoming communication barring (ICB) evaluate			landh an tha Faran handar
Ensure that an incoming communication is rejuifield matches one of the served user's incomin			lentity or the From header
Ensure that the SUT is sending a 603 (Decline	final response when the	ne communication is reje	ected.
The service configuration takes place over the	Ut interface using XCA	P	
XML abstract			
<pre><incoming-communication-barring active="true</pre></td><td>e"></incoming-communication-barring></pre>			
<ruleset></ruleset>			
<rule id="[any identifier]"></rule>			
<conditions></conditions>			
<identity></identity>	170 /		
<pre><one id="[any URI (PIXIT) //identity.</pre></td><td>)<u>]</u>"></one></pre>			
<actions></actions>			
<allow>false</allow>			
incoming-communication-barring			
Comments:			
UA C	SUT	UA S	
LITTO Description to a standard and a second second	:		
HTTP Request (activate outgoing communicat	ion barring "identity")		
INVITE →			
100 Trying ←			
603 Decline			
ACK →			
HTTP Request (deactivate outgoing communic	cation barring "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_002	Clauses 4.5.2.6,	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/10
			[ITU-T Q.4012.1 v.1]

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	ng_AS	ACR-CB_N02_003	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
			4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
			[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
				PICS 4.7.1/11
				[ITU-T Q.4012.1 v.1]
Test purpose				
Incoming communication barring				
Ensure that an incoming commu				lentity or the From heade
field matches one of the served u				
Ensure that the SUT is sending a				ectea.
The service configuration takes p SIP header values:	nace using Sil	based user configurat	.1011.	
INVITE 1: Request line sip: <ser< td=""><td>viaa aadas :nh</td><td>one contaxt— conv dom</td><td>ains waar-dialatring CIE</td><td>2/2.0</td></ser<>	viaa aadas :nh	one contaxt— conv dom	ains waar-dialatring CIE	2/2.0
Comments:	vice code>,pri	one-context= <any dom<="" td=""><td>airi>,user=ulaistiffig Sir</td><td>72.0</td></any>	airi>,user=ulaistiffig Sir	72.0
UA C		SUT	UA S	
INVITE 1	→	001	OA O	
200 OK INVITE	÷			
ACK	→			
Result announcer	nent activatio	n		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	(
603 Decline	(
ACK	→			
INVITE 1	→			
200 OK INVITE	-			
ACK	<u> </u>			
Result announceme	ent deactivati	ion		
	···· ucuciivali			

BYE 200 OK BYE

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_004	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/11
			[ITU-T Q.4012.1 v.1]

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.

	place doing on bacca accircon	ngaradon.	
SIP header values:			
INVITE 1: Request line sip: <se< th=""><th>ervice code>;phone-context=<ar< th=""><th>y domain>;user=dialstring SIP/2.0</th><th></th></ar<></th></se<>	ervice code>;phone-context= <ar< th=""><th>y domain>;user=dialstring SIP/2.0</th><th></th></ar<>	y domain>;user=dialstring SIP/2.0	
Comments:	,,	<u> </u>	
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announce	ement activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
	nnouncement		
603 Decline	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	É		
ACK	→		
Result announce	ment deactivation		
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_005	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
		-	PICS 4.7.1/10
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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

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_006	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
_		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/10
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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

```
<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:
```

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		4.3.2, 4.3.3 of [ITU-T Q.3628 v.1]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/11
Tost nurnoso			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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</service>	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 annou	Incement activation			
BYE	→			
200 OK BYE	(
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annour	cement deactivation	1		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_008	Clauses 4.5.2.6,	PICS 4.5.1/2 AND
_		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/11
			[ITU-T Q.4012.1 v.1]

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 does not match any entry 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 co<="" td=""><td>de>;phone-context=<any o<="" td=""><td>domain>;user=dialstring SIP/2.0</td><td></td></any></td></service>	de>;phone-context= <any o<="" td=""><td>domain>;user=dialstring SIP/2.0</td><td></td></any>	domain>;user=dialstring SIP/2.0	
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement ac	ctivation		
BYE	→		
200 OK BYE	←		
	_		
INVITE 2	→		
100 Trying	-		
Announce			
603 Decline	-		
ACK	→		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement dea	activation		
BYE	→		
200 OK BYE			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_009	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/12
			[ITU-T Q.4012.1 v.1]

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

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_010	Clauses 4.5.2.6,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/12
			[ITU-T Q.4012.1 v.1]

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:

SUT **UAS** UA C

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying **←**

Announcement

603 Decline **→** ACK

ACR-CB_N02_011	Clauses 4.5.2.6.1, 4.3.2, 4.3.3 of [ITU-T Q.3628 v.1]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/13
		NOT PICS 4.7.1/4 AND
	[ITU-T Q.3628 v.1]	
		PICS 4.7.1/13
		[ITU-T Q.4012.1 v.1]
xternal list' . Configuration		
		ected.
IP based user configurat	ion.	
hone-context= <any domains<="" td=""><td>ain>;user=dialstring SIF</td><td>/2.0</td></any>	ain>;user=dialstring SIF	/2.0
SUT	UA S	
ion		
i	ejected when the evaluation nmunication barring rules e) final response when the SIP based user configurat	ejected when the evaluation of the P-Asserted-Idnmunication barring rules referring to an external e) final response when the communication is rejected based user configuration. Shone-context= <any domain="">;user=dialstring SIP SUT UA S ion</any>

-

BYE 200 OK BYE

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_012	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/13
			[ITU-T Q.4012.1 v.1]

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: <se< th=""><th>rvice code>;phone-co</th><th>ontext=<any d<="" th=""><th>omain>;user=dialstring SIP/2.0</th><th></th></any></th></se<>	rvice code>;phone-co	ontext= <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 announce	ment activation			
BYE	→			
200 OK BYE	+			
INVITE 2	→			
100 Trying	(
	nouncement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcer	nent deactivation			
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_013	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/16
			[ITU-T Q.4012.1 v.1]

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

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	Clauses 4.5.2.6,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/16
			[ITU-T Q.4012.1 v.1]

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>
            </rule>
        </rule>
        </ruleset>
        </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 ←

Announcement 603 Decline ←

ACK →

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_015	4.3.2, 4.3.3 of	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/17
			[ITU-T Q.4012.1 v.1]
Toet nurnoso			

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

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

INVITE 1: Request line sip	: <service code="">;pnon</service>	e-context= <any c<="" th=""><th>omain>;user=diaistring SiP/2.</th><th>)</th></any>	omain>;user=diaistring SiP/2.)
Comments:			·	
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annou	uncement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annour	ncement deactivation	1		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_016	Clauses 4.5.2.6.1,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/17
			[ITU-T Q.4012.1 v.1]

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 s	ip: <service code="">;pho</service>	ne-context= <any c<="" th=""><th>lomain>;user=dialstring SIP/2.0</th><th></th></any>	lomain>;user=dialstring SIP/2.0	
Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result anno	ouncement activation	1		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	-			
, 3	Announcement			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result annou	uncement deactivatio	n		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_	AS ACR-CB_N02_01		PICS 4.5.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22
			[ITU-T Q.4012.1 v.1]
Test purpose	. , . , . ,	:	
The SUT stores the identity in the in			
Ensure that the identity of an incoming			
user sends a 603 Decline in the ear call attempt to the served user is rej			
identity. (Applicable use in blacklist)	0 0	communication parting rule:	s upgraded with the stored
The service configuration takes place		CAP	
SIP header values:	be over the of interface using A	ion .	
603 1:			
	use=603;text="Decline"		
Comments:			
UA C	SUT	UA S	
HTTP Request (activate outgoing co	ommunication barring "identity'	")	
	_	_	
INVITE	→	→ INVITE	
180 Ringing	(← 180 Ringing	
		← 603 Decline 1	
603 Decline 2	←	→ ACK	
ACK	→	- ACR	
AON	•		
INVITE	→		
INVITE 603 Decline	→ ←		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_018	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
_		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/22
			[ITU-T Q.4012.1 v.1]

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:

000 1.					
Reason:	SIP;cause=603;text=	"Decline"			
Comments:					
UA C		SUT		UA S	
INVITE 1	→				
200 OK INVITE	←				
ACK	→				
	ncement activation				
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	→				
	cement deactivation				
BYE	→				
200 OK BYE	←				

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_019	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
•		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22
			[ITU-T Q.4012.1 v.1]

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:

Reason:	SIP;cause=603;text="Decline	."		
Comments: UA C	SUT		UA S	
HTTP Request (activate out	going communication barring "	'identity")		
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 of	outgoing communication barrin	g "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_020	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
_		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/23
			[ITU-T Q.4012.1 v.1]

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:

200 OK BYE

Reason: SIP;cause=603;text="Decline" Comments: UA C SUT **UAS INVITE 1** 200 OK INVITE ACK Result announcement activation BYE 1 200 OK BYE **INVITE 2** INVITE 180 Ringing 180 Ringing 200 OK INVITE 200 OK INVITE ACK ACK BYE 3 BYE 2 200 OK BYE 200 OK BYE **INVITE 3** 603 Decline ACK INVITE 1 200 OK INVITE ACK Result announcement deactivation BYE 4 **→**

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_021	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
_		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22
			[ITU-T Q.4012.1 v.1]

The SUT stores the identity in the incoming barring rules as indicated in an 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).

(Applicable use in blacklist).		
The service configuration takes place over the L	Jt interface using XCAP.	
SIP header values:		
INVITE 1: Request line sip: <service code="">;pho</service>	one-context= <any domain:<="" th=""><th>>;user=dialstring SIP/2.0</th></any>	>;user=dialstring SIP/2.0
Comments:		
UA C	SUT	UA S
HTTP Request (activate outgoing communication	on barring "identity")	
INVITE 1 →	→	INVITE
180 Ringing	É	180 Ringing
100 1 (11)	_	100 1 111191119
	←	INVITE 1
	→	200 OK INVITE
	←	ACK
	+	BYE
	÷	200 OK BYE
	•	200 010 212
4xxx ←	(4xxx
ACK →	→	ACK
INVITE 1 →		
603 Decline		
ACK →		
-		
HTTP Request (deactivate outgoing communication)	ation barring "identity")	

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_022	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/23
			[ITU-T Q.4012.1 v.1]

The SUT stores the identity in the incoming barring rules as indicated in an 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 to 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:

Comments:	-			<u> </u>
UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement	nt activation			
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	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement				
BYE	→			
200 OK BYE	+			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_023	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/6 AND
			PICS 4.7.1/22
			[ITU-T Q.4012.1 v.1]

The SUT stores the identity in the incoming barring rules as indicated in 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:

Comments:	SUT	UA S				
HTTP Request (activate outgoing communication barring "identity")						
180 Ringing 200 OK INVITE	→ ← ← ← →	INVITE 180 Ringing 200 OK INVITE ACK				
	← → ←	INVITE 2 200 OK INVITE ACK				
	← →	BYE 1 200 OK BYE				
	← ← →	BYE 2 200 OK BYE				
603 Decline	→ ← →					
HTTP Request (deactivate outgoing communication barring "identity")						

TSS	TP	CB reference	Selection expression
ACR-CB/Network/ICB_terminating_AS	ACR-CB_N02_024	Clause 4.5.2.6.1 of	PICS 4.5.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/2 AND
			PICS 4.7.1/7 AND
			PICS 4.7.1/23
			[ITU-T Q.4012.1 v.1]

The SUT stores the identity in the incoming barring rules as indicated in 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 cod<="" th=""><th>de>;phone-context=<any dor<="" th=""><th>nain>;user=dialstring</th><th>SIP/2.0</th></any></th></service>	de>;phone-context= <any dor<="" th=""><th>nain>;user=dialstring</th><th>SIP/2.0</th></any>	nain>;user=dialstring	SIP/2.0
Comments:			
UA C	SUT	UA S	
1:::::=::	→		
	←		
ACK	→		
Result announcement ac	tivation		
- · -	→		
200 OK BYE	←		
	_	_	
·····		INVITE	
		180 Ringing	
		200 OK INVI	TE
ACK	→	◆ ACK	
		, , , , , , , , , , , , , , , , , , ,	
		INVITE 1	
		200 OK INVI	IE
	•	- ACK	
		BYE	
	•	▶ 200 OK BYE	
BYE	(BYE 2	
		▶ 200 OK BYE	
200 OK BIE		200 OR BIL	
INVITE 3	→		
603 Decline	←		
	→		
	→		
200 OK INVITE	←		
7.01	→		
Result announcement dea	ctivation		
	→		
200 OK BYE	+		

7.2.3 Action for ACR at the terminating AS

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_001	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

Test purpose

ACR service rejects an anonymous communication, Privacy value is 'id'. 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 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/ACR_terminating_AS	ACR-CB_N03_002	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

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.

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>
        </rule>
    </rule>
    </incoming-communication-barring>
```

SIP header values:

INVITE:

Privacy: id

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_003	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 ANDNOT
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

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

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

SIP header values:

INVITE:

Privacy: id

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

INVITE →
100 Trying ←
200 OK INVITE ←
ACK →

Voice message BYE →

200 OK BYE ←

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_004	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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:

Privacy: id

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_005	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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: <serv< th=""><th>/ice code>;pnone-context=<any< th=""><th>domain>;user=dialstring SIP/2.0</th><th></th></any<></th></serv<>	/ice 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 announcem	nent activation		
BYE	→		
200 OK BYE	←		
INIVITE O	→		
INVITE 2			
100 Trying	←		
	ouncement		
433 Anonymity Disallowed	←		
ACK	→		
INVITE 1	→		
200 OK INVITE	É		
ACK	À		
Result announceme	ent deactivation		
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_006	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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.	INVITE 1. Request line sip. Service codes, priorie-context= carry domains, dser=dialstring sir 72.0			
Comments:				
UA C	SUT	UA S		
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
	cement activation			
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
200 OK INVITE	-			
ACK	→			
	Voice message			
BYE	→			
200 OK BYE	É			
200 010 212	•			
INVITE 1	→			
200 OK INVITE	É			
ACK	À			
	ement deactivation			
BYE	ement deactivation →			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression		
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_007	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND		
		4.9.1.4 of	PICS 4.7.1/2 AND		
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND		
		-	NOT PICS 4.7.1/5 AND		
			PICS 4.7.1/14		
			[ITU-T Q.4012.1 v.1]		
Test purpose					
ACR service rejects an anonymous commun	nication. Privacy value is	s 'header'. Configuratio	n 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

```
<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:

UA C **SUT UAS**

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_008	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

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

SIP header values:

INVITE:

Privacy: header

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_009	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/5 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

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>
        </rule>
    </rule>
    </incoming-communication-barring>
```

SIP header values:

INVITE:

Privacy: header

Comments:

UA C SUT UA S

HTTP Request (activate outgoing communication barring "identity")

 INVITE
 →

 100 Trying
 ←

 200 OK INVITE
 ←

 ACK
 →

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_010	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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

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_011	Clauses 4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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: <ser< th=""><th colspan="5">INVITE 1: Request line sip:<service code="">;pnone-context=<any domain="">;user=diaistring 5iP/2.0</any></service></th></ser<>	INVITE 1: Request line sip: <service code="">;pnone-context=<any domain="">;user=diaistring 5iP/2.0</any></service>				
Comments:					
UA C	SUT	UA S			
INVITE 1	→				
200 OK INVITE	←				
ACK	→				
Result announcen	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_012	Clauses 4.5.2.6.2	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/5 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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. < se	rvice code>,priorie-coritext= <ar< th=""><th>ly domain>,user=diaistring SiF/2.0</th><th></th></ar<>	ly domain>,user=diaistring SiF/2.0	
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announce	ement activation		
BYE	→		
200 OK BYE	(
INVITE 2	→		
100 Trying	←		
200 OK INVITE	←		
ACK	→		
Vo	oice message		
BYE	→		
200 OK BYE	←		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcer	nent deactivation		
BYE	→		
200 OK BYE	+		

TSS	TP	CB reference	Selection expression			
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_013	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND			
		4.9.1.4 of	PICS 4.7.1/2 AND			
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND			
			NOT PICS 4.7.1/5 AND			
			PICS 4.7.1/14			
			[ITU-T Q.4012.1 v.1]			
Test purpose						
ACR service rejects an anonymous commun	ication, Privacy value is	s 'user'. Configuration o	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	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

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>
            <allow>false</allow>
        </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	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/14
			[ITU-T Q.4012.1 v.1]

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

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	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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

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	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/4 AND
			NOT PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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< th=""><th>vice code>;pnone-context=<any< th=""><th>domain>;user=diaistring SIP/2.0</th><th></th></any<></th></ser<>	vice code>;pnone-context= <any< th=""><th>domain>;user=diaistring SIP/2.0</th><th></th></any<>	domain>;user=diaistring SIP/2.0	
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcer	nent activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
	-		
100 Trying	ouncement		
	touricement ←		
433 Anonymity Disallowed ACK	~		
ACK	7		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement	ent deactivation		
BYE	→		
200 OK BYE	←		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_018	Clauses 4.5.2.6.2,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	NOT PICS 4.7.1/4 AND
			PICS 4.7.1/5 AND
			PICS 4.7.1/15
			[ITU-T Q.4012.1 v.1]

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:

Privacy: user

invite i. Nequest line sip. < se	sivice code>,priorie-context=<	carry domain, doci-diaisting on 72.0	
Comments:			
UA C	SUT	UA S	
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announce	ement activation		
BYE	→		
200 OK BYE	←		
INVITE 2	→		
100 Trying	←		
200 OK INVITE	←		
ACK	→		
V	oice message		
BYE	→		
200 OK BYE	←		
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announce	ment deactivation		
BYE	→		
200 OK BYE	←		

7.3 Interaction with other simulation services

TSS

7.3.1 Originating Identification Presentation (OIP)

TP

CB reference

Selection expression

ACR-CB/Network/interaction_OIP	ACR-CB_N04_001	Clauses 4.6.4, 4.9.1.4 of [ITU-T Q.3628 v.1]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/14 AND PICS 4.7.2/1 [ITU-T Q.4012.1 v.1]
Test purpose	<u>.</u>		
ACR does not apply to due override co	ategory according to the ori	ginating identification p	resentation (OIP) service.
Configuration over Ut interface. Ensure that the ACR service shall not a	only If the called user has sub	secribed to the override	category according to the
OIP service.	opiy ii tile called usel ilas sut	oscribed to the override	category according to the
The service configuration takes place over	er the Ut interface using XCA	P.	
Preconditions: OIP override category			
XML abstract			
<incoming-communication-barring active<br=""><ruleset></ruleset></incoming-communication-barring>	="true">		
<rule id="[any identifier]"></rule>			
<conditions></conditions>			
<anonymous></anonymous>			
<actions> <allow>false</allow></actions>			
SIP header values:			
INVITE:			
Privacy: id			
Comments: UA C	SUT	UA S	
HTTP Request (activate outgoing comm	inication harring "identity")		
INVITE)	INVITE	
100 Trying 180 Ringing	← ←	100 Trying 180 Ringing	
200 OK INVITE	-	200 OK INVITE	
	→	ACK	
	Communication	7.01.	
BYE	→ →	BYE	
200 OK BYE	(200 OK BYE 	
HTTP Request (deactivate outgoing com	munication barring "identity")		

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_OIP	ACR-CB_N04_002	Clauses 4.6.4,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/15 AND
			PICS 4.7.2/1
			[ITU-T Q.4012.1 v.1]

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 code>;pho	one-context= <any< th=""><th>domain></th><th>s;user=dialstring SIP/2.0</th></any<>	domain>	s;user=dialstring SIP/2.0
Comments:				•
UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	(
ACK	→			
Result announ	cement activation	n		
BYE	→			
200 OK BYE	(
INVITE	→			INVITE
100 Trying	-			100 Trying
180 Ringing	-			180 Ringing
200 OK INVITE	-			200 OK INVITE
ACK	→			ACK
AOR		Communication		AOR
BYE	→	Communication	→	BYE
200 OK BYE	←		-	200 OK BYE
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announc	ement deactivation	on		
BYE	→			
200 OK BYE	←			

7.3.2 Conference calling (CONF)

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_001	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/6 AND
		_	PICS 4.7.2/3
			[ITU-T Q.4012.1 v.1]

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

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	Clauses 4.5.2.4.1	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/7 AND
			PICS 4.7.2/3
			[ITU-T Q.4012.1 v.1]

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:

Refer-To: [URI barred]

rtolol To. [Otti ballo	uj			
Comments:				
UA C		SUT	UA S	
INVITE	→			
200 OK INVITE	←			
ACK	→			
Result announcemen	nt activatior	1		
BYE	→			
200 OK BYE	←			
INVITE (conference factory URI)	→			
200 OK INVITE	←			
ACK	→			
REFER	→			
603 Decline	←			
INVITE	→			
200 OK INVITE	←			
ACK	→			
Result announcement	t deactivation	n		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_003	Clauses 4.5.2.4.1,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/3 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/6 AND
			PICS 4.7.2/3
			[ITU-T Q.4012.1 v.1]
Test purpose	•		
OCB evaluates 'identity' with one item. F	Remove URI from the "rec	ipient-list" if the entry is	barred according OCB rules.
Configuration using SIP based user confi			G
Ensure that an entry is removed from a "r		request to create a cor	nference when the evaluation
of the URI of the 'entry' element matches			
	er the Ut interface using X0		3

```
<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:

XML abstract

```
INVITE: 1
```

```
</resource-lists xmlns="urn:ietf:params:xml:ns:resource-lists" xmlns:cp="urn:ietf:params:xml:ns:copyControl">
     t>
          <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"> <list> <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 **ACK**

TSS	TP	СВ	reference	Selection expression
ACR-CB/Network/interaction_CONF	ACR-CB_N05_0	04 Cla	uses 4.5.2.4.1,	PICS 4.5.1/2 AND
			.2, 4.3.3 of	PICS 4.7.1/3 AND
		[ITU	J-T Q.3628 v.1]	PICS 4.7.1/7 AND
				PICS 4.7.2/3
				[ITU-T Q.4012.1 v.1]
Test purpose				
OCB evaluates 'identity' with one item. R		recipient-	list" if the entry is	barred according OCB rules.
Configuration using SIP based user config		/ITC ====:		
Ensure that an entry is removed from a "r of the URI of the 'entry' element matches				
The service configuration takes place using				i barring rules (black list).
Preconditions: Subscription to CONF se		iliguration	•	
SIP header values:	TVICC			
INVITE1: Request line sip: <service code<="" td=""><td>>;phone-context=<an< td=""><td>y domain></td><td>;user=dialstring \$</td><td>SIP/2.0</td></an<></td></service>	>;phone-context= <an< td=""><td>y domain></td><td>;user=dialstring \$</td><td>SIP/2.0</td></an<>	y domain>	;user=dialstring \$	SIP/2.0
INVITE 2:				
<resource-lists></resource-lists>				
				
<entry cp:cop<="" td="" uri="[barred URI]"><td>yControl="to"/></td><td></td><td></td><td></td></entry>	yControl="to"/>			
<entry <="" td="" uri="[any URI not barred]</td><td></td><td>/></td><td></td><td></td></tr><tr><td></list></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><th></resource-lists></th><th></th><th></th><th></th><th></th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>INVITE 3:</td><td></td><td></td><td></td><td>></td></tr><tr><td>INVITE 3: <resource-lists</td><td></td><td></td><td></td><td>></td></tr><tr><td>INVITE 3: <resource-lists st></td><td>URI</td><td>not</td><td>barred]"><td></td></entry>				
INVITE 3: <resource-lists< td=""><td>URI</td><td>not</td><td>barred]"</td><td>> cp:copyControl="to"/></td></resource-lists<>	URI	not	barred]"	> cp:copyControl="to"/>
<pre>INVITE 3: <td>URI</td><td>not</td><td>barred]"</td><td></td></pre>	URI	not	barred]"	
<pre>INVITE 3: <resource-lists< td=""><td>URI</td><td>not</td><td>barred]"</td><td></td></resource-lists<></pre>	URI	not	barred]"	
<pre>INVITE 3: <resource-lists< td=""><td>URI SUT</td><td>not</td><td>barred]" UA S (ISC)</td><td></td></resource-lists<></pre>	URI SUT	not	barred]" UA S (ISC)	
<pre>INVITE 3: <resource-lists< td=""><td></td><td>not</td><td></td><td></td></resource-lists<></pre>		not		
<pre>Invite 3: <resource-lists< td=""><td></td><td>not</td><td></td><td></td></resource-lists<></pre>		not		
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>not</td><td></td><td></td></resource-lists<></pre>	SUT	not		
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>not</td><td></td><td></td></resource-lists<></pre>	SUT	not		
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>not</td><td></td><td></td></resource-lists<></pre>	SUT	not		
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>not</td><td></td><td></td></resource-lists<></pre>	SUT	not		
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>not</td><td></td><td></td></resource-lists<></pre>	SUT	not		
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>not</td><td>UA S (ISC)</td><td>cp:copyControl="to"/></td></resource-lists<></pre>	SUT	not	UA S (ISC)	cp:copyControl="to"/>
INVITE 3: <resource-lists< td=""><td>SUT</td><td></td><td>UA S (ISC)</td><td>cp:copyControl="to"/></td></resource-lists<>	SUT		UA S (ISC)	cp:copyControl="to"/>
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>-</td><td>UA S (ISC)</td><td>cp:copyControl="to"/></td></resource-lists<></pre>	SUT	-	UA S (ISC)	cp:copyControl="to"/>
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>→</td><td>UA S (ISC) INVITE 3 (cor 200 OK INVIT</td><td>cp:copyControl="to"/></td></resource-lists<></pre>	SUT	→	UA S (ISC) INVITE 3 (cor 200 OK INVIT	cp:copyControl="to"/>
<pre>INVITE 3: <resource-lists< td=""><td>SUT</td><td>→</td><td>UA S (ISC) INVITE 3 (cor 200 OK INVIT</td><td>cp:copyControl="to"/></td></resource-lists<></pre>	SUT	→	UA S (ISC) INVITE 3 (cor 200 OK INVIT	cp:copyControl="to"/>

Apply post test routine

→

Result announcement deactivation

BYE

200 OK BYE

Communication diversion services 7.3.3

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_001	Clauses 4.6.7, 4.9.1.4 of [ITU-T Q.3628 v.1]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/14 AND PICS 4.7.2/2 [ITU-T Q.4012.1 v.1]
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
```

```
<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: id

Comments:

UA C SUT **UAS**

HTTP Request (activate outgoing communication barring "identity")

INVITE 100 Trying **←** 433 Anonymity Disallowed

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_002	Clauses 4.6.7,	PICS 4.5.1/2 AND
		4.3.2, 4.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/15 AND
			PICS 4.7.2/2
			[ITU-T Q.4012.1 v.1]

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

Comments:				
UA C		SUT	UA S	
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result annound	cement activation			
BYE	→			
200 OK BYE	(
	_			
INVITE 2	→			
100 Trying	←			
433 Anonymity Disallowed	(
ACK	→			
INVITE 1	→			
200 OK INVITE	÷			
ACK	•			
	ement deactivatio	n		
BYE	→			
200 OK BYE	←			

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_CDIV	ACR-CB_N06_003	Clauses 4.6.7,	PICS 4.5.1/2 AND
		4.9.1.4 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/10 AND
			PICS 4.7.2/2
			[ITU-T Q.4012.1 v.1]

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	Clauses 4.6.7,	PICS 4.5.1/2 AND
		4.3.24.3.3 of	PICS 4.7.1/2 AND
		[ITU-T Q.3628 v.1]	PICS 4.7.1/11 AND
		_	PICS 4.7.2/2
			[ITU-T Q.4012.1 v.1]

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="">;phor</service>	ne-context= <any do<="" 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 ann	ouncement activation	n		
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
603 Decline	(
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result anno	uncement deactivati	ion		
BYE	→			
200 OK BYE	←			

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