ETSI TS 186 017-2 V5.1.1 (2012-09)

IMS Network Testing (INT);
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)

Reference
RTS/INT-00069-2

Keywords
CB, IMS, 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

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Foreword

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

The present document is part 2 of a multi-part deliverable covering the Conformance Test Specification of Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem, 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".

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 10.

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

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 http://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.

2.1 Normative references

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 10)".

[2] ETSI TS 186 017-1: "IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem 3GPP Release 10; Conformance Testing Specification 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 10)".

2.2 Informative references

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

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

3 Definitions and abbreviations

3.1 Definitions

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

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

NOTE: This may contain additional information.

3.2 Abbreviations

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

ACR	Anonymous Communication Rejection
AS	Application Server
CB	Communication Barring
CDIV	Communication DIVersion services
CFU	Communication Forwarding Unconditional
CN	Core Network
ICB	Incoming Communication Barring
ICB	Incoming Communication Barring
IM	IP Multimedia
IMS	IP Multimedia Subsystem
IP	Internet Protocol
ISC	IMS Service Control
NGN	Next Generation Network
NNI	Network to Network Interface
OCB	Outgoing Communication Barring
OCB	Outgoing Communication Barring
OIP	Originating Identification Presentation
PICS	Protocol Implementation Conformance Statement
SCC	Service Code Command
SDP	Session Description Protocol
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)

ACR-CB			
	Network	OCB_originating_AS	ACR-CB_N01_xxx
	OCB ICB	ICB_terminating_AS	ACR-CB_N02_xxx
		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

The scope of the present document is to test the signalling and procedural aspects of the stage 3 requirements as described in 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.

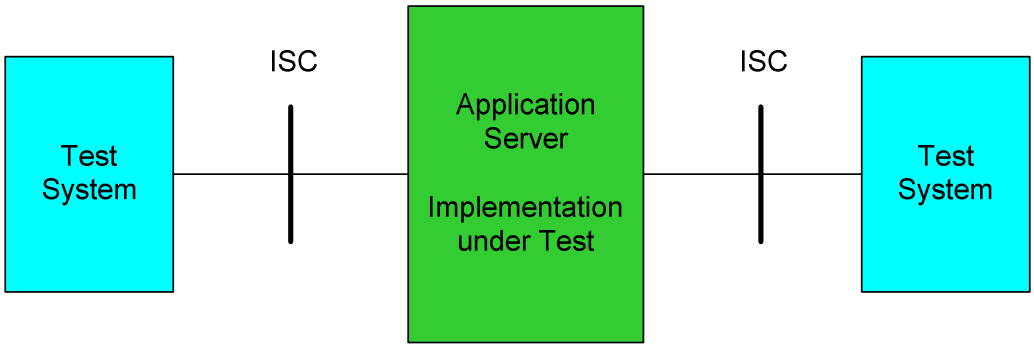

Figure 1: Applicable interface to test AS functionalities

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.

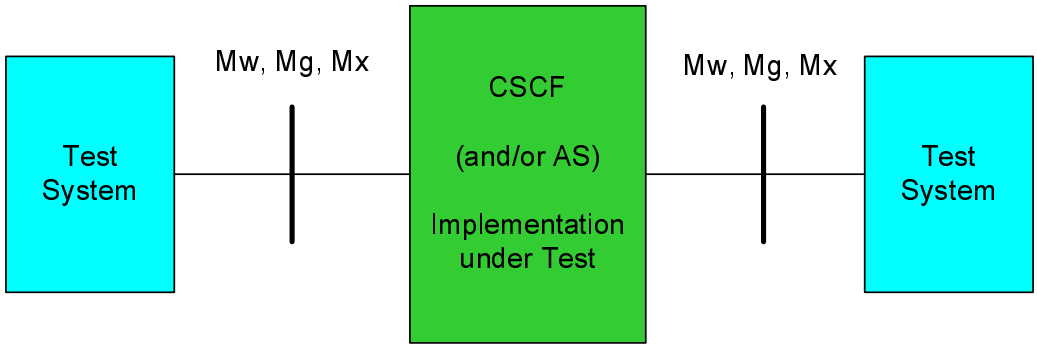

Figure 2: Applicable interfaces for tests using a (generic) NNI interface

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.

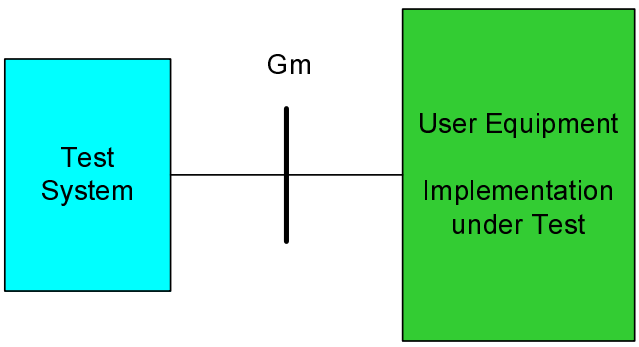

Figure 3: Applicable configuration to test UE functionalities

5 Test Purposes (TP)

5.1 Introduction

For each test requirement a TP is defined.

5.1.1 TP naming convention

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

Table 1: TP identifier naming convention scheme

Identifier: **<ss>_<iut><group>_<nnn>**				
<ss>	=	supplementary service:	e.g. "ACR-CB"	
<iut>	=	type of IUT:	U N	User – equipment Network
<group>	=	group	2 digit field representing group reference according to TSS	
<nnn>	=	sequential number	(001-999)	

5.1.2 Test strategy

As the base standard 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 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 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/3 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/6

Test purpose

*Outgoing communication barring evaluates 'i**dentity'** 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 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>
                <one id="[any URI (PIXIT)]"></one>
            </identity>
        </conditions>
        <actions>
            <allow>false</allow>
        </actions>
    </rule>
  </ruleset>
</outgoing-communication-barring>
```

Comments:

UA C	**SUT**	**UA S**
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

*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

```
<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>
```

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
183 Session Progress	←	
	Announcement	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

*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

Comments:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement 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_004	4.5.2.4.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/7

Test purpose

*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=<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	→			
183 Session Progress	←			
Announcement				
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_005	4.5.2.4.1 4.9.1.4	PICS 4.5.1/2 AND 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**' 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 C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

*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

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

Comments:

UA C **SUT** **UA S**

HTTP Request (activate outgoing communication barring "identity")

INVITE →
183 Session Progress ←
Announcement
603 Decline ←
ACK →

HTTP Request (deactivate outgoing communication barring "identity")

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

Test purpose

*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:

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 announcement 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	4.5.2.4.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/3 AND PICS 4.7.1/4 AND PICS 4.7.1/7

Test purpose

*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=<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	→			
183 Session Progress	←			
Announcement				
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_009	4.5.2.4.1 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/3 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/8

Test purpose

*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

```
<outgoing-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>
</outgoing-communication-barring>
```

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "external-list")		
INVITE	→	
100 Trying	←	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "external-list")		

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

Test purpose

*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

```
<outgoing-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>
</outgoing-communication-barring>
```

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "external-list")		
INVITE	→	
183 Session Progress	←	
	Announcement	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "external-list")		

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

Test purpose

*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

Comments:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement 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_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

Test purpose

*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:

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 announcement activation				
BYE	→			
200 OK BYE	←			
INVITE 2	→			
183 Session Progress	←			
Announcement				
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_013	4.5.2.4.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/3 AND PICS 4.7.1/7 AND NOT PICS 4.7.1/4

Test purpose

*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 announcement 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	←			

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 4.9.1.4	PICS 4.5.1/2 AND 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.

XML abstract

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

Comments:

UA C		SUT		UA S
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

*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

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

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
	Announcement	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

*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 announcement 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/ICB_terminating_AS	ACR-CB_N02_004	4.5.2.6.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/11

Test purpose

*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:

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 announcement activation				
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
Announcement				
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/ICB_terminating_AS	ACR-CB_N02_005	4.5.2.6.1 4.9.1.4	PICS 4.5.1/2 AND 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**' 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:

UA C		SUT		UA S
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

*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

```
<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		UA S
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
		Announcement		
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

*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

Comments:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement 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/ICB_terminating_AS	ACR-CB_N02_008	4.5.2.6.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/11

Test purpose

*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

Comments:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement activation				
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
Announcement				
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/ICB_terminating_AS	ACR-CB_N02_009	4.5.2.6.1 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/12

Test purpose

*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:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

*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		UA S
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
		Announcement		
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

*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 announcement 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/ICB_terminating_AS	ACR-CB_N02_012	4.5.2.6.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/13

Test purpose

*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

Comments:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement activation				
BYE	→			
200 OK BYE	←			
INVITE 2	→			
100 Trying	←			
Announcement				
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/ICB_terminating_AS	ACR-CB_N02_013	4.5.2.6.1 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/16

Test purpose

*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 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	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

*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		UA S
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
		Announcement		
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

*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

Comments:

UA C		**SUT**	**UA S**
INVITE 1	→		
200 OK INVITE	←		
ACK	→		
Result announcement 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/ICB_terminating_AS	ACR-CB_N02_016	4.5.2.6.1 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND PICS 4.7.1/17

Test purpose

*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:<service code>;phone-context=<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	←			
Announcement				
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/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

Test purpose

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:

Reason: SIP;cause=603;text="Decline"

Comments:

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

Test purpose

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:

Reason: SIP;cause=603;text="Decline"

Comments:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement 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	→			
Result announcement deactivation				
BYE	→			
200 OK BYE	←			

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

Test purpose

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 outgoing communication barring "identity")		
INVITE	→ →	INVITE
180 Ringing	← ←	180 Ringing
200 OK INVITE	← ←	200 OK INVITE
ACK	→ →	ACK
BYE 2	← ←	BYE 1
200 OK BYE	→ →	200 OK BYE
INVITE	→	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "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

Test purpose

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:

Reason: SIP;cause=603;text="Decline"

Comments:

UA C		SUT		UA S
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	→			
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

Test purpose

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

Comments:

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

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

Test purpose

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 announcement 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 deactivation				
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

Test purpose

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-context=<any domain>;user=dialstring SIP/2.0

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE 1	→	→ INVITE
180 Ringing	←	← 180 Ringing
200 OK INVITE	←	← 200 OK INVITE
ACK	→	→ ACK
		← INVITE 2
		→ 200 OK INVITE
		← ACK
		← BYE 1
		→ 200 OK BYE
BYE	←	← BYE 2
200 OK BYE	→	→ 200 OK BYE
INVITE 3	→	
603 Decline	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "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

Test purpose

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:

UA C		SUT		UA S
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement activation				
BYE	→			
200 OK BYE	←			
INVITE 2	→		→	INVITE
180 Ringing	←		←	180 Ringing
200 OK INVITE	←		←	200 OK INVITE
ACK	→		→	ACK
			←	INVITE 1
			→	200 OK INVITE
			←	ACK
			←	BYE
			→	200 OK BYE
BYE	←		←	BYE 2
200 OK BYE	→		→	200 OK BYE
INVITE 3	→			
603 Decline	←			
ACK	→			
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement deactivation				
BYE	→			
200 OK BYE	←			

5.2.3 Action for ACR at the terminating AS

TSS	**TP**	**CB reference**	**Selection expression**
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_001	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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 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

```
<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**	**UA S**
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
433 Anonymity Disallowed	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_002	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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 '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 "i**d**".

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: id

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
	Announcement	
433 Anonymity Disallowed	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

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>
  </ruleset>
</ 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	←			
HTTP Request (deactivate outgoing communication barring "identity")				

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_004	4.5.2.6.2 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND 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

Test purpose

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

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 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/ACR_terminating_AS	ACR-CB_N03_005	clause 4.5.2.6.2 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND NOT PICS 4.7.1/5 AND PICS 4.7.1/15

Test purpose

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 "i**d**".

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>;phone-context=<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	←		
Announcement			
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/ACR_terminating_AS	ACR-CB_N03_006	clause 4.5.2.6.2 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/5 AND PICS 4.7.1/15

Test purpose

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

Comments:

UA C		SUT		UA S
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	←			

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_007	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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 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

```
<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	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
433 Anonymity Disallowed	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_008	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
	Announcement	
433 Anonymity Disallowed	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

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>
      </actions>
    </rule>
  </ruleset>
</ 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	→			
		Voice message		
BYE	→			
200 OK BYE	←			
HTTP Request (deactivate outgoing communication barring "identity")				

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_010	4.5.2.6.2 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND 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

Test purpose

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

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/ACR_terminating_AS	ACR-CB_N03_011	4.5.2.6.2 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND NOT PICS 4.7.1/5 AND PICS 4.7.1/15

Test purpose

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:<service code>;phone-context=<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	←			
Announcement				
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/ACR_terminating_AS	ACR-CB_N03_012	4.5.2.6.2 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/5 AND PICS 4.7.1/5 AND PICS 4.7.1/15

Test purpose

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

Comments:

UA C		**SUT**	**UA S**
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	←		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_013	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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 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

```
<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: user

Comments:

UA C	SUT	UA S
HTTP Request (activate outgoing communication barring "identity")		
INVITE	→	
100 Trying	←	
433 Anonymity Disallowed	←	
ACK	→	
HTTP Request (deactivate outgoing communication barring "identity")		

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_014	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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 '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>
      </actions>
    </rule>
  </ruleset>
</ 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	→	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose

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>
        <allow>false</allow>
      </actions>
    </rule>
  </ruleset>
</ 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	←			
200 OK INVITE	←			
ACK	→			
		Voice message		
BYE	→			
200 OK BYE	←			
HTTP Request (deactivate outgoing communication barring "identity")				

TSS	TP	CB reference	Selection expression
ACR_CB/Network/ACR_terminating_AS	ACR-CB_N03_016	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND 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

Test purpose

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

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 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/ACR_terminating_AS	ACR-CB_N03_017	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/4 AND NOT PICS 4.7.1/5 AND PICS 4.7.1/15

Test purpose

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:<service code>;phone-context=<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	←			
Announcement				
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/ACR_terminating_AS	ACR-CB_N03_018	4.5.2.6.2 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/2 AND NOT PICS 4.7.1/4 AND PICS 4.7.1/5 AND PICS 4.7.1/15

Test purpose

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 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 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

TSS	**TP**	**Reference**	**Selection expression**
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 INVITE request including an SSC command to use SIP based user configuration.
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

Comments:

UE (Gm#1)		**Test equipment (Gm#2)**
INVITE	→	INVITE
Apply post test routine		

TSS	**TP**	**Reference**	**Selection expression**
ACR-CB/User/Destination_UE	ACR-CB_U01_002	4.5.2.13	PICS 4.5.1/1 AND PICS 4.6.1/1

Test purpose
The User Equipment is able to send a 603 Decline to indicate incoming call barring.
Ensure that a User Equipment is able to send a 603 Decline containing a Reason header set to SIP the cause parameter set to '603' and the text parameter set to 'Decline' to indicate incoming call barring.

SIP header values:
603:
Reason: SIP;cause=603;text="Decline"

Comments:

UE (Gm#1)		**Test equipment (Gm#2)**
INVITE	←	INVITE
180 Ringing	→	180 Ringing
Apply procedure to indicate incoming communication barring		
603 Decline	→	603 Decline
ACK	←	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 send a BYE request to indicate incoming call barring.
Ensure that a User Equipment is able to send a BYE request containing a Reason header set to SIP the cause parameter set to '603' and the text parameter set to 'Decline' to indicate incoming call barring.

SIP header values:
BYE:
Reason: SIP;cause=603;text="Decline"

Comments:

UE (Gm#1)		**Test equipment (Gm#2)**
INVITE	←	INVITE
180 Ringing	→	180 Ringing
200 OK INVITE	→	200 OK INVITE
ACK	←	ACK
Apply procedure to indicate incoming communication barring 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 an INVITE request in the early dialogue to indicate incoming call barring.
Ensure that a User Equipment is able to send an INVITE request in the early dialogue including an SSC command to indicate incoming call barring.

SIP header values:
INVITE 2: Request line sip:<service code>;phone-context=<any domain>;user=dialstring SIP/2.0

Comments:

UE (Gm#1)		**Test equipment (Gm#2)**
INVITE	←	INVITE 1
180 Ringing	→	180 Ringing
Apply procedure to indicate incoming communication barring 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	**TP**	**Reference**	**Selection expression**
ACR-CB/User/Destination_UE	ACR-CB_U01_005	4.5.2.13	PICS 4.5.1/1 AND PICS 4.6.1/3

Test purpose
The User Equipment is able to send an INVITE request in the confirmed dialogue to indicate incoming call barring.
Ensure that a User Equipment is able to send an INVITE request in the confirmed dialogue including an SSC command to indicate incoming call barring.

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

Comments:

UE (Gm#1)		**Test equipment (Gm#2)**
INVITE	←	INVITE 1
180 Ringing	→	180 Ringing
	→	200 OK INVITE
	←	ACK
Apply procedure to indicate incoming communication barring 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		

5.3 Interaction with other simulation services

5.3.1 Originating Identification Presentation (OIP)

TSS	**TP**	**CB reference**	**Selection expression**
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 PICS 4.7.1/14 AND PICS 4.7.2/1

Test purpose

ACR does not apply to due override category according to the OIP service. Configuration over Ut interface.

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 over the Ut interface using XCAP.

Preconditions: OIP override category

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**		**UA S**
HTTP Request (activate outgoing communication barring "identity")				
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
HTTP Request (deactivate outgoing communication barring "identity")				

TSS	TP	CB reference	Selection expression
ACR-CB/Network/interaction_OIP	ACR-CB_N04_002	4.6.4 4.3.2/ [4] 4.3.3/ [4]	PICS 4.5.1/2 AND PICS 4.7.1/2 AND 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 code>;phone-context=<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	→			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
INVITE 1	→			
200 OK INVITE	←			
ACK	→			
Result announcement deactivation				
BYE	→			
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 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/3 AND PICS 4.7.1/6 AND PICS 4.7.2/3

Test purpose
*OCB evaluates 'i**dentity'** 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

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>
```

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	←	
HTTP Request (deactivate outgoing communication barring "identity")		

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

Test purpose
*OCB evaluates 'i**dentity'** 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]

Comments:

UA C		**SUT**	**UA S**
INVITE	→		
200 OK INVITE	←		
ACK	→		
Result announcement activation			
BYE	→		
200 OK BYE	←		
INVITE (conference factory URI)	→		
200 OK INVITE	←		
ACK	→		
REFER	→		
603 Decline	←		
INVITE	→		
200 OK INVITE	←		
ACK	→		
Result announcement deactivation			
BYE	→		
200 OK BYE	←		

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

Test purpose
*OCB evaluates 'i**dentity'** 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 a 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">
    <list>
        <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**		**UA S (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
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

*OCB evaluates 'i**dentity'** 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 a 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:

```
<resource-lists .. >
      <list>
            <entry uri="[barred URI]" cp:copyControl="to"/>
            <entry uri="[any URI not barred]" cp:copyControl="to"/>
      </list>
</resource-lists>
```

INVITE 3:

```
<resource-lists ….>
    <list>
        <entry uri="[any URI not barred]" cp:copyControl="to"/>
    </list>
</resource-lists>
```

Comments:

UA C		SUT		UA S (ISC)
INVITE	→			
200 OK INVITE 1	←			
ACK	→			
Result announcement 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	→			
200 OK 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 4.9.1.4	PICS 4.5.1/2 AND 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

```
<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**		**UA S**
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
433 Anonymity Disallowed	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

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

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 4.9.1.4	PICS 4.5.1/2 AND PICS 4.7.1/2 AND PICS 4.7.1/10 AND PICS 4.7.2/2

Test purpose

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 a 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

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

Comments:

UA C		SUT		UA S
HTTP Request (activate outgoing communication barring "identity")				
INVITE	→			
100 Trying	←			
603 Decline	←			
ACK	→			
HTTP Request (deactivate outgoing communication barring "identity")				

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

Test purpose

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 a 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	→		
Result announcement 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	←		

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 2006	Publication
V2.1.1	July 2009	Publication
V5.1.1	September 2012	Publication