ETSI TS 101 553-2 V3.1.1 (2011-08)



Technical Committee for IMS Network Testing (INT); Testing of the IBCF requirements; Part 2: Test Suite Structure and Test Purposes (TSS&TP)

Reference DTS/INT-00053-2

Keywords

IBCF, SIP, 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 Testing of the IBCF requirements, as identified below:

Part 1: "Protocol Implementation Conformance Statement (PICS)";

Part 2: "Test Suite Structure and Test Purposes (TSS&TP)".

1 Scope

The present document specifies the test suite structure and test purposes of testing of the IBCF requirements. The focus is the Ic interface as the interconnection point between two network operators.

2 References

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

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

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2.1 Normative references

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

[1]	ETSI TS 124 229: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 Release 9)".
[2]	ETSI TS 129 165: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 Release 9)".
[3]	ETSI TS 101 553-1: "Technical Committee for IMS Network Testing (INT); Testing of the IBCF requirements; Part 1: Protocol Implementation Conformance Statement (PICS)".
[4]	ETSI TS 124 407: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; PSTN/ISDN simulation services; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR); Protocol specification (3GPP TS 24.407 Release 8)".
[5]	ETSI TS 124 508: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); PSTN/ISDN simulation services Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR); Protocol specification (3GPP TS 24.508 Release 8)".
[6]	ETSI TS 124 505: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; PSTN/ISDN simulation services: Conference (CONF); Protocol specification (3GPP TS 24.505 Release 8)".
[7]	ETSI TS 124 406: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; PSTN/ISDN simulation services; Message Waiting Indication (MWI): Protocol specification (3GPP TS 24.406 Release 8)".
[8]	ETSI TS 124 410: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; NGN Signalling Control Protocol; Communication HOLD (HOLD) PSTN/ISDN simulation services; Protocol specification (3GPP TS 24.410 version 8.0.0 Release 8)".

[9]	ETSI TS 124 411: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; PSTN/ISDN simulation services: Anonymous Communication Rejection (ACR) and Communication Barring (CB); Protocol specification (3GPP TS 24.411 Release 8)".
[10]	ETSI TS 124 516: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; PSTN/ISDN simulation services; Malicious Communication Identification (MCID); Protocol specification (3GPP TS 24.516 Release 8)".
[11]	ETSI TS 124 529: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; TISPAN; PSTN/ISDN simulation services: Explicit Communication Transfer (ECT); Protocol specification (3GPP TS 24.529 Release 8)".
[12]	ETSI TS 124 454: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; PSTN/ISDN simulation services; Protocol specification Closed User Group (CUG) (3GPP TS 24.454 Release 8)".
[13]	ETSI TS 123 002: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Network architecture (3GPP TS 23.002 Release 9)".
[14]	ETSI TS 123 228 "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS); Stage 2 (3GPP TS 23.228 Release 9)".
[15]	IETF RFC 4244: "An Extension to the Session Initiation Protocol (SIP) for Request History Information".
[16]	IETF RFC 3325: "Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks".
[17]	ETSI TS 129 162: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IM CN subsystem and IP networks".

- [18] IETF RFC 2663: "IP Network Address Translator (NAT) Terminology and Considerations".
- [19] IETF RFC 3261: "SIP: Session Initiation Protocol".
- [20] IETF RFC 4028: "Session Timers in the Session Initiation Protocol (SIP)".

2.2 Informative references

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

 [i.1] IEEE 802.11a-1999: "IEEE Standard for Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements - Part 11: Wireless Medium Access Control (MAC) and physical layer (PHY) specifications: High Speed Physical Layer in the 5 GHz band".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in [1] to [19] apply.

NOTE: This may contain additional information.

3.2 Symbols

For the purposes of the present document, the symbols given in [1] to [19] apply.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in [1] to [19] apply.

4 Test Suite Structure (TSS)

The Test Suite Structure is in close alignment with clause 5.10, TS 124 229 [1].

Exit_Point

	reg	BCF_101_xxx			
	bcall	IBCF_102_xxx			
	scr	bcall	IBCF_103_xx	x	
		SS	oip-oir	IBCF_104_xxx	
			ss/tip-tir	IBCF_105_xxx	
			cdiv	IBCF_106_xxx	
			other	IBCF_107_xxx	
	nch	reg	IBCF_108_xx		
		bcall	IBCF_109_xxx		
	alg	sip	IBCF_110_xxx		
		sdp	IBCF_111_xx	x	

Entry_Point				
·	reg	IBCF_201_	XXX	
	bcall	IBCF_202_	XXX	
	scr	bcall	IBCF_203_xxx	<
			oip-oir	IBCF_204_xxx
			tip-tir	IBCF_205_xxx
			cdiv	IBCF_206_xxx
			other	IBCF_207_xxx
	nch	reg	IBCF_208_xxx	<
		bcall	IBCF_209_xxx	<
	alg	sip	IBCF_210_xxx	<
		sdp	IBCF_211_xxx	<

5 Test Purposes (TP)

5.1 Introduction

For each requirement in [1] 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 5.1.1-1).

 Identifier:
 IBCF_<group>_<nnn>

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

 <nnn> = TP number
 3 digit sequential number (001-999)

Table 5.1.1-1: TP identifier naming convention scheme

5.1.2 Test strategy

As the base standard TS 124 229 [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 101 553-1 [3]. The criteria applied include the following:

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

6 Test purposes IBCF test

6.1 IBCF as an exit point

6.1.1 Registration

TP number	IBCF_101_001	Reference	5.10.2.1 3) [1]				
TSS reference	Exit_Point/reg						
Selection criteria	PICS 7.2.1/1						
Test Purpose name	WWW-Authenticate he	ader is passed unchang	ged				
Test Purpose	request to the other ho	When an IBCF receives a REGISTER request from the visited network it shall forward this request to the other home network. If the IBCF receives the 401 Unauthorized final response from the other home network the WWW-Authenticate header is unchanged in the forwarded SIP response.					
SIP Parameter values		401 1: WWW-Authenticate 401 2: WWW-Authenticate					
Comments							
Message flows	Mx REGISTER 401 Unauthorized 2	SUT → ← Apply post t	 → REGISTER ← 401 Unauthorized 1 				

TO								
TP number	IBCF_101_002	Reference		5.10.2.1 3) [1]				
TSS reference	Exit_Point/reg	Exit_Point/reg						
Selection criteria	PICS 7.2.1/1 AN							
Test Purpose name	The Authorizatio	n header is passed unchar	nged					
Test Purpose	When an IBCF r	eceives a REGISTER requ	est from the visit	ed network it shall forward this				
	request to the ot	her home network. The Au	thorization head	er remains unchanged in the				
	forwarded SIP re	equest.		_				
SIP Parameter values	REGISTER 1:	Authorization						
		Path						
		Require: path						
		P-Charging-Vector: icid; o	orig-ioi					
	REGISTER 2:	Authorization						
		Path						
		Require: path						
	P-Charging-Vector: icid; orig-ioi							
Comments								
Message flows	Mx	S	UT	lc				
-	REGISTER 1 → REGISTER 2							
	200 OK REGISTE	200 OK REGISTER + 200 OK REGISTER						
		Apply po	st test routine					

TP number	IBCF 101 0	03	Reference		5.10.2.1 3) [1]	
TSS reference	Exit Point/re		Reference		5.10.2.1 5/[1]	
		0				
Selection criteria	PICS 7.2.1/1					
Test Purpose name	The P-Asso unchanged	ciated-URI,	Path, Service-Route and	P-Chargir	ng-Vector headers are passed	
Test Purpose		CF receives	a 200 OK REGISTER re	quest fron	n the other (home) network it	
•					P-Associated-URI, Path,	
					ged in the forwarded SIP	
	response.					
SIP Parameter values	200 OK 1:	P-Associa	ated-URI			
	Path					
		Service-F	Route			
		P-Chargii	ng-Vector: term-ioi			
		Contact	-			
	200 OK 2: P-Associated-URI					
		Path				
		Service-F	Poute			
			ng-Vector: term-ioi			
		Contact				
Comments						
Message flows		Лх	SUT		lc	
	REGISTER 1		→	→	REGISTER 2	
	200 OK REGI	STER	÷	←	200 OK REGISTER	
			Apply post tes	t routine		

TP number	IBCF_101_004	Refer	ence	5.10.2.1 3) [1]			
TSS reference	Exit_Point/reg						
Selection criteria	PICS 7.2.1/1						
Test Purpose name	The Event and Ex	xpires header are pa	ssed unchanged				
Test Purpose	When an IBCF re	ceives a SUBSCRIE	E request from the vi	sited network it shall forward			
	this request to the	e other home networ	k. The Event header	and the Expires header remain			
	unchanged in the	request.					
SIP Parameter values	SUBSCRIBE 1:						
		P-Charging-Vector:	icid				
		Expires: 600 000					
	SUBSCRIBE 2:	Event: reg					
		P-Charging-Vector:	icid				
		Expires: 600 000					
Comments							
Message flows	Mx		SUT	lc			
		The registration procedure was successful					
	SUBSCRIBE 1	→	→	SUBSCRIBE 2			
	200 OK SUBSCRI	BE 🗲	+	200 OK SUBSCRIBE			
		Apply post test routine					

TP number	IBCF 101 005	Reference	5.10.2.1 3) [1]
TSS reference	Exit_Point/reg		
Selection criteria	PICS 7.2.1/1		
Test Purpose name	The 'reginfo' body is p	assed unchanged	
Test Purpose	When an IBCF receiv request to the other h unchanged in the req	es a NOTIFY request from the one network. The Event heat	ne visited network it shall forward this Ider and the XML body remain
SIP Parameter values	NOTIFY 1: Event: Conten	reg t-Type: application/reginfo+x	ml
	<registration a<br=""><contact id<="" th=""><th>rn:ietf:params:xml:ns:reginfc or="sip:[<i>any value</i>]" id="[<i>any</i> ="[<i>any value</i>]" state="active" duration-registered="0"> o:[any value]</th><th></th></contact></registration>	rn:ietf:params:xml:ns:reginfc or="sip:[<i>any value</i>]" id="[<i>any</i> ="[<i>any value</i>]" state="active" duration-registered="0"> o:[any value]	
	xml version="1.<br <reginfo ?="" xmlns="u
<registration a
<contact id</th><th>t-Туре: application/reginfo+x
0"></reginfo>	" version="1" state="partial"> <i>value</i>]" state="active">	
Comments			
Message flows	Mx	SUT	lc
messaye nows	N/A	The registration procedu	
	NOTIFY 1	→	→ NOTIFY 2
		7 (
	200 OK NOTIFY	-	← 200 OK NOTIFY
		Apply post test	routine

TP number	IBCF_101_006	Reference		5.10.2.1 3) [1]
TSS reference	Exit_Point/reg			
Selection criteria	PICS 7.2.1/1 AND PICS 7.2	2.1/4		
Test Purpose name	The IBCF selects an alterna	ative entry point	to the other netwo	ork if a 3xx was received
Test Purpose	entry point to a previously f	orwarded SIP R	EGISTER request	m an other (home) network t, it shall resend the Register prwarded the same request.
SIP Parameter values				
Comments	IUT configured with two ent	ry points to hom	ne network	
Message flows	Mx REGISTER →	SUT → ←	Ic 1 REGISTER 3xx	lc 2
	200 OK REGISTER 🗧 🗲	Apply po	st test routine	 → REGISTER ← 200 OK REGISTER

TP number	IBCF_101_007		Reference	5.10.2.1 3) [1]			
TSS reference	Exit_Point/reg						
Selection criteria	PICS 7.2.1/1 AND P	PICS 7.2.1/4					
Test Purpose name	The IBCF selects an	alternative	entry point to the o	ther network if a 480 was received			
Test Purpose	entry point to a previ	When an IBCF receives SIP 480 (Temporarily Unavailable) response from a home network entry point to a previously forwarded SIP REGISTER request, it shall forward the Register request to another home network entry point to which it has not previously forwarded the same request					
SIP Parameter values							
Comments	IUT configured with	two entry po	pints to home netwo	ork			
Message flows	Mx REGISTER	SU ⁻ →	→ REGISTER	Ic 1 Ic 2 ily Unavailable			
	200 OK REGISTER	÷	Apply post test r	→ REGISTER ★ 200 OK REGISTER routine	R		

TP number	IBCF_101_008	Refere	nce	5.10.2.1 3) [1]
TSS reference	Exit_Point/reg			
Selection criteria	PICS 7.2.1/1 AND	PICS 7.2.1/4		
Test Purpose name	The IBCF selects a received	n alternative entry p	oint to the other netw	ork if no response was
Test Purpose	forwarded SIP REG	SISTER request, it s		entry point to a previously ster request to another home the same request.
SIP Parameter values				
Comments	IUT configured with	two entry points to	home network	
Message flows	Mx REGISTER	SUT ➔	Ic 1 → REGISTER	lc 2
	200 OK REGISTER	No response ← Apply	/ post test routine	 → REGISTER ← 200 OK REGISTER

TP number	IBCF_101_009	Reference	5.10.2.1 3) [1]
TSS reference	Exit_Point/reg		
Selection criteria	PICS 7.2.1/1		
Test Purpose name	The IBCF sends a 504 if	a 3xx to a REGISTER requ	uest was received
Test Purpose		ering user s home network,	se to a SIP REGISTER request from all it shall send a SIP 504 (Server
SIP Parameter values			
Comments	IUT configured with one	entry points to home netwo	vrk
Message flows	REGISTER 504 Server Time-Out	SUT → ← Apply post test r	Mx → REGISTER ← 3xx outine

TP number	IBCF_101_010	Reference	5.10.2.1 3) [1]
TSS reference	Exit_Point/reg		/ L 4
Selection criteria	PICS 7.2.1/1		
Test Purpose name	The IBCF sends a 504 if a 480	to a REGISTER request was	received
Test Purpose	If an IBCF receives a SIP 480 request from all entry points in (Server Time-Out) response to	the registering user s home ne	
SIP Parameter values			
Comments	IUT configured with one entry p	points to home network	
Message flows	Ic REGISTER → 504 Server Time-Out ←	SUT → ← Apply post test routine	Mx REGISTER 480 Temorarily Unavailable

TP number	IBCF_101_011	Reference	5.10.2.1 3) [1]
TSS reference	Exit_Point/reg		
Selection criteria	PICS 7.2.1/1		
Test Purpose name	The IBCF sends a 504 if no	o response to a REGISTER	request was received
Test Purpose			request from all entry points in the 04 Server Time-Out response to the
SIP Parameter values			
Comments	IUT configured with one en	try points to home network	
Message flows	IC REGISTER	SUT →	Mx → REGISTER
	504 Server Time-Out	No response ← Apply post test rout	tine

6.1.2 Basic call

TP number	IBCF_102_001	Reference	5.10.2.2 1) [1]
TSS reference	Exit_Point/bcall		
Selection criteria			
Test Purpose name	The SUT responds wi	ith a 100 Trying after an INV	ITE was received
Test Purpose	When the IBCF receiv	es an INVITE request, the	SUT responds with a 100 Trying
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	÷	
		Apply post test	troutine

TP number	IBCF_102_002	Reference	5.10.2.2 2B) [1]
TSS reference	Exit_Point/bcall	-	
Selection criteria			
Test Purpose name	The IBCF performs th	e Record-Route procedure	e
Test Purpose		s an INVITE request to the request identifying itself.	other network a Record-Route header field
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	÷	
		Apply post te	st routine

IBCF_102_003	Reference	5.10.2.2 7) [1]
Exit_Point/bcall	· · · · · · · · · · · · · · · · · · ·	
PICS 7.2.2/1		
The P-Charging-Vect	or header is supported uncha	nged
		ner network, the P-Charging-Vector
Mx INVITE 1 100 Trying	SUT	IC → INVITE 2
	Exit_Point/bcall PICS 7.2.2/1 The P-Charging-Vect When the IBCF sends present as received fr INVITE 1: P-Charging INVITE 2: P-Charging Mx INVITE 1	Exit_Point/bcall PICS 7.2.2/1 The P-Charging-Vector header is supported uncha When the IBCF sends an INVITE request to the oth present as received from the own network. INVITE 1: P-Charging-Vector: icid-value; orig-ioi INVITE 2: P-Charging-Vector: icid-value; orig-ioi Mx SUT INVITE 1

TP number	IBCF_102_004	Reference	5.10.2.2 7) [1]
TSS reference	Exit_Point/bcall		
Selection criteria	PICS 7.2.2/2		
Test Purpose name	Some values of the P	-Charging-Vector are not pre	esent
Test Purpose	When the IBCF sends P-Charging-Vector ar		her network, some values of the
SIP Parameter values		g-Vector: icid-value; orig-ioi g-Vector header some values	s not present
Comments			
Message flows	Mx INVITE 1 100 Trying	SUT → ←	IC → INVITE 2
		Apply post test	routine

TP number	IBCF_102_005	Reference	5.10.2.2 7) [1]
TSS reference	Exit_Point/bcall		. ,
Selection criteria	PICS 7.2.2/3		
Test Purpose name	The P-Charging-Vector	or is not present	
Test Purpose	When the IBCF sends not present.	an INVITE request to the c	other network, the P-Charging-Vector is
SIP Parameter values	INVITE 1: P-Charging	-Vector: icid-value; orig-ioi	
Comments			
Message flows	Mx	SUT	lc
-	INVITE 1 100 Trying	→ ←	→ INVITE 2
		Apply post tes	t routine

TP number	IBCF_102_006	Reference	5.10.2.2 8) [1]
TSS reference	Exit_Point/bcall		
Selection criteria			
Test Purpose name	P-Charging-Function-	Addresses header is not pres	sent
Test Purpose	When the IBCF sends Addresses header is r		her network, the P-Charging-Function-
SIP Parameter values	INVITE 2: P-Charging	-Function-Addresses header	is not present
Comments			
Message flows	Mx	SUT	lc
-	INVITE 1	→	→ INVITE 2
	100 Trying	÷	
		Apply post test	routine

TP number	IBCF_102_007	Reference	5.10.2.2, paragraph 10 [1], RFC 4028 [20]	
TSS reference	Exit_Point/bcall			
Selection criteria	PICS 7.2.1/5			
Test Purpose name	Periodic refreshment is	supported		
Test Purpose		•	he IBCF requires the periodic Expires prior to forwarding the INVITE to	
SIP Parameter values	INVITE 2 Session-Expires	s: <configured value=""></configured>		
Comments	•	0		
Message flows	Мх	SUT	lc	
	INVITE 1 100 Trying	→ ←	→ INVITE 2	
	Apply post test routine			

TP number	IBCF_102_008	Reference		4.4.6 [1]		
TSS reference	Exit_Point/bcall	·				
Selection criteria	NOT PICS 7.2.1/2					
Test Purpose name	A Resource-Priority h	eader field is passed to a	trusted netw	ork		
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a Resource-Priority header field is present, it leaves the Resource-Priority header field header fields in the SIP requests if the other network is trusted.					
SIP Parameter values	INVITE 1: Require: resource-priority Resource-Priority: q735.0					
	INVITE 2: Require: re Resource-F	Priority: q735.0				
Comments						
Message flows	Mx	SUT		lc		
-	INVITE 100 Trying	→ ←	→	INVITE		
	Apply post test routine					

TP number	IBCF_102_009	Reference		4.4.6 [1]		
TSS reference	Exit_Point/bcall					
Selection criteria	PICS 7.2.1/2					
Test Purpose name	A Resource-Priority he	A Resource-Priority header field is removed from the INVITE				
Test Purpose		der field is present, it	removes the Re	within its own network and a source-Priority header field ntrusted.		
SIP Parameter values	INVITE 1: Require: re: Resource-F	source-priority Priority: q735.0				
Comments						
Message flows	Mx INVITE 100 Trying	→ ←	SUT →	ic INVITE		

TP number	IBCF_102_010	Refe	rence		4.4.7 [1]	
TSS reference	Exit_Point/bcall				· · · ·	
Selection criteria						
Test Purpose name	A Reason header is p	A Reason header is passed in a SIP response				
Test Purpose	When an IBCF receives a SIP response from the other network and a Reason header field is present as indicated in table 6.1.2-1, this header field is passed in the forwarded response to the own network.					
SIP Parameter values	SIP_response 1: Rea		• -			
Comments						
Message flows	Mx		SUT		lc	
	INVITE	→		→	INVITE	
	VA_response 2	+		+	SIP_response 1	
	ACK	→		→	ACK	

Response_cause	← SIP_response
	Status code
	Reason header
VA_01	404 Not Found
VA_02	Reason: Q.850; cause=1 (unallocated (unassigned) number) 500 Server Internal error
VA_02	Reason: Q.850; cause=2 (no route to network)
VA_03	500 Server Internal error
	Reason: Q.850; cause=3 (no route to destination)
VA_04	500 Server Internal error
_	Reason: Q.850; cause=4 (Send special information tone)
VA_05	404 Not Found
	Reason: Q.850; cause=5 (Misdialled trunk prefix)
VA_06	486 Busy Here
VA_07	Reason: Q.850; cause=17 (user busy)
VA_07	480 Temporarily unavailable Reason: Q.850; cause=18 (no user responding)
VA_08	480 Temporarily unavailable
VA_00	Reason: Q.850; cause=19 (no answer from the user)
VA_09	480 Temporarily unavailable
	Reason: Q.850; cause=20 (subscriber absent)
VA_10	603 Decline
	Reason: Q.850; cause=21 (call rejected)
VA_11	480Temporarily unavailable
	Reason: Q.850; cause=21 (call rejected)
VA_12	410 Gone
V/A 40	Reason: Q.850; cause=22 (number changed)
VA_13	433 Anonymity Disallowed Reason: Q.850; cause=24 (call rejected due to ACR supplementary
	service)
VA_14	483 Too many hops
	Reason: Q.850; cause=25 (Exchange routing error)
VA_15	480 Temporarily unavailable
	Reason: Q.850; cause=26 (Non-selected user clearing)
VA_16	502 Bad Gateway
	Reason: Q.850; cause=27 (destination out of order)
VA_17	484 Address Incomplete
V/A 40	Reason: Q.850; cause=28 invalid number format (address incomplete) 500 Server Internal error
VA_18	Reason: Q.850; cause=29 (facility rejected)
VA 19	480 Temporarily unavailable
V/(_10	Reason: Q.850; cause=31 (normal unspecified)
VA_20	486 Busy here
	Reason: Q.850; cause=34 (No circuit/channel available)
VA_21	480 Temporarily unavailable
	Reason: Q.850; cause=34 (No circuit/channel available)
VA_22	500 Server Internal error
1/4 00	Reason: Q.850; cause=41 (Temorary failure)
VA_23	500 Server Internal error
VA_24	Reason: Q.850; cause=50 (requested facility no subscribed) 603 Decline
VA_24	Reason: Q.850; cause=55 (Incoming class barred within Closed User
	Group)
VA_25	403 Forbidden
	Reason: Q.850; cause=57 (bearer capability not authorised)
VA_26	500 Server Internal error
	Reason: Q.850; cause=58 (bearer capability not presently)
VA_27	500 Server Internal error
	Reason: Q.850; cause=63 (service option not available, unspecified)
VA_28	500 Server Internal error
N/A 00	Reason: Q.850; cause=65 (Bearer capability not implemented)
VA_29	403 Forbidden
	Reason: Q.850; cause=87 (User not member of Closed User Group)

Table 6.1.2-1: Receipt of the Reason header in response

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Response_cause	← SIP_response
	Status code
	Reason header
VA_30	500 Server Internal error
	Cause value No 88 (incompatible destination)
VA_31	403 Forbidden
	Reason: Q.850; cause=90 (Non existing Closed User Group)
VA_32	500 Server Internal error
	Reason: Q.850; cause=91 (invalid transit network selection)
VA_33	500 Server Internal error
	Reason: Q.850; cause=95 (invalid message)
VA_34	501 Not Implemented
	Reason: Q.850; cause=97 (Message type non-existent or not
	implemented)
VA_35	501 Not Implemented
	Reason: Q.850; cause=99 (information element/parameter non-existent or
	not implemented))
VA_36	480 Temporarily unavailable
	Reason: Q.850; cause=102 (recovery on timer expiry)
VA_37	501 Not Implemented
	Reason: Q.850; cause=110 (Message with unrecognised Parameter,
	discarded)
VA_38	500 Server Internal error
	Reason: Q.850; cause=111 (protocol error, unspecified)
VA_39	500 Server Internal error
	Reason: Q.850; cause=127 (interworking unspecified)

TP number	IBCF_102_011	Reference	4.4.8 [1]			
TSS reference	Exit_Point/bcall	Exit_Point/bcall				
Selection criteria	NOT PICS 7.2.1/2 AN	NOT PICS 7.2.1/2 AND NOT PICS 7.2.2/4				
Test Purpose name	The P-Profile-Key hea	The P-Profile-Key header is forwarded to the trusted network				
Test Purpose	Profile-Key header fiel	When an IBCF receives an initial SIP INVITE request from within its own network and a P- Profile-Key header field is present, it leaves the P-Profile-Key header field header fields in the SIP requests if the other network is trusted.				
SIP Parameter values	INVITE 1: P-Profile-Key: <sip:wildcarded identity@hostportion="" public="" service=""> INVITE 2: P-Profile-Key: <sip:wildcarded identity@hostportion="" public="" service=""></sip:wildcarded></sip:wildcarded>					
Comments						
Message flows	Mx	SUT	lc			
	INVITE 1 100 Trying	→ ← Apply post test	→ INVITE 2			

TP number	IBCF_102_012	Reference	4.4.8 [1]			
TSS reference	Exit_Point/bcall		· · · · · · · · · · · · · · · · · · ·			
Selection criteria	NOT PICS 7.2.1/2 AND PICS 7.2.2/4					
Test Purpose name	The P-Profile-Key hea	The P-Profile-Key header is not forwarded to the trusted network				
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P- Profile-Key header field is present, it removes the P-Profile-Key header field header fields from the SIP requests if the other network is trusted.					
SIP Parameter values	INVITE 1: P-Profile-K	ey: <sip:<i>Wildcarded Public (</sip:<i>	Service Identity@Hostportion>			
Comments						
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test	IC → INVITE 2			

TP number	IBCF_102_013	Reference	4.4	4.8 [1]	
TSS reference	Exit_Point/bcall				
Selection criteria	PICS 7.2.1/2				
Test Purpose name	The P-Profile-Key he	ader is not forwarded to th	e untrusted netwo	ork	
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Profile-Key header field is present, it removes the P-Profile-Key header field header fields from the SIP requests if the other network is untrusted.				
SIP Parameter values	INVITE 1: P-Profile-K	ey: <sip:wildcarded publi<="" th=""><th>c Service Identity</th><th>@Hostportion></th></sip:wildcarded>	c Service Identity	@Hostportion>	
Comments					
Message flows	Mx	SUT		lc	
	INVITE 1 100 Trying	→ ←	→ IN	VITE 2	
	Apply post test routine				

TP number	IBCF_102_014	Reference	4.4.9 [1]			
TSS reference	Exit_Point/bcall		· · · · · · · · · · · · · · · · · · ·			
Selection criteria	NOT PICS 7.2.1/2 AND	NOT PICS 7.2.2/5				
Test Purpose name	The P-Served-User hea	ader is forwarded to the trust	ed network			
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and					
-	P-Served-User header	P-Served-User header field is present, it leaves the P-Served-User header field header				
	fields in the SIP requests if the other network is trusted.					
SIP Parameter values	INVITE 1: P-Served-Us	ser: <sip:<i>user@example.con</sip:<i>	n>; sescase=orig; regstate=reg			
	INVITE 2: P-Served-Us	ser: <sip:user@example.con< td=""><td>>; sescase=orig; regstate=reg</td></sip:user@example.con<>	>; sescase=orig; regstate=reg			
Comments		· · · ·				
Message flows	Mx	SUT	lc			
-	INVITE 1	→	→ INVITE 2			
	100 Trying	+				
	Apply post test routine					

Exit_Point/bcall	•				
INUT PICS 7.2.1/2 ANI	NOT PICS 7.2.1/2 AND PICS 7.2.2/5				
The P-Served-User he	ader is not forwarded to th	e trusted network			
When an IBCF receives an initial SIP INVITE request from within its own network and a P-Served-User header field is present, it removes the P-Served-User header field header fields from the SIP requests if the other network is trusted.					
INVITE 1: P-Served-U	ser: <sip:<i>user@example.c</sip:<i>	om>; sescase=orig; regstate=reg			
Mx INVITE 1 100 Trying	SUT → ←	→ INVITE 2			
	The P-Served-User he When an IBCF receive P-Served-User header fields from the SIP req INVITE 1: P-Served-U INVITE 2: Mx INVITE 1	The P-Served-User header is not forwarded to th When an IBCF receives an initial SIP INVITE req P-Served-User header field is present, it removes fields from the SIP requests if the other network is INVITE 1: P-Served-User: <sip:user@example.co< td=""> INVITE 2: Mx SUT INVITE 1</sip:user@example.co<>			

TP number	IBCF_102_016	Reference		4.4.9 [1]	
TSS reference	Exit_Point/bcall				
Selection criteria	PICS 7.2.1/2				
Test Purpose name	The P-Served-User h	eader is not forwarded to	the untrustee	d network	
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Served-User header field is present, it removes the P-Served-User header field header fields from the SIP requests if the other network is untrusted.				
SIP Parameter values	INVITE 1: P-Served-	User: <sip:<i>user@example</sip:<i>	e.com>; sesc	ase=orig; regstate=reg	
Comments					
Message flows	Мх	SUT	ſ	lc	
	INVITE 1 100 Trying	→ ←	→	INVITE 2	
	Apply post test routine				

/hen an IBCF receives Private-Network-Indica dication header field he	ation header field is prese	uest from within its own network and a ent, it leaves the P-Private-Network- quests if the other network is trusted.
P-Private-Network-Ind /hen an IBCF receives .Private-Network-Indica dication header field he	an initial SIP INVITE requestion header field is presented by the second s	uest from within its own network and a ent, it leaves the P-Private-Network- quests if the other network is trusted.
/hen an IBCF receives Private-Network-Indica dication header field he	an initial SIP INVITE requestion header field is presented by the second s	uest from within its own network and a ent, it leaves the P-Private-Network- quests if the other network is trusted.
Private-Network-Indica	ation header field is prese header fields in the SIP rec	ent, it leaves the P-Private-Network- quests if the other network is trusted.
IVITE 2: P-Private-Net	twork-Indication: [any UR]	1
		•
Mx IVITE 00 Trying	SUT → ←	→ INVITE
	IVITE	IVITE →

TP number	IBCF_102_018	Referen	се	4.4.10 [1]		
TSS reference	Exit_Point/bcall					
Selection criteria	PICS 7.2.1/2					
Test Purpose name	A P-Private-Network-	A P-Private-Network-Indication header field is removed from the INVITE				
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Private-Network-Indication header field is present, it removes the					
	P-Private-Network-Indication header field header fields from the SIP requests if the other network is untrusted.					
SIP Parameter values	INVITE 1: P-Private-Network-Indication: [any URI]					
	INVITE 2:					
Comments						
Message flows	Mx		SUT	lc		
	INVITE	→		→ INVITE		
	100 Trying	+				
		Apply	post test routin	e		

TP number	IBCF_102_019	Reference	4.4.3 [1]			
TSS reference	Exit_Point/bcall					
Selection criteria	NOT PICS 7.2.1/2					
Test Purpose name	A P-Access-Network-I	Info header field is passed t	o a trusted network			
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Access-Network-Info header field is present, it leaves the P-Access-Network-Info header field header fields in the SIP requests if the other network is trusted.					
SIP Parameter values	INVITE 1: P-Access-Network-Info: IEEE 802.11a [i.1] INVITE 2: P-Access-Network-Info: IEEE 802.11a [i.1]					
Comments						
Message flows	Mx	SUT	lc			
	INVITE 1 100 Trying	→	→ INVITE 2			
		Apply post tes	troutine			

TP number	IBCF_102_020	Reference	4.4.3 [1]			
TSS reference	Exit_Point/bcall		· · ·			
Selection criteria	PICS 7.2.1/2					
Test Purpose name	A P-Access-Network-Ir	nfo header field is removed fi	rom the INVITE			
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Access-Network-Info header field is present, it removes the P-Access-Network-Info header field header fields from the SIP requests if the other network is untrusted.					
SIP Parameter values	INVITE 1: P-Access-Network-Info: IEEE 802.11a [i.1] INVITE 2:					
Comments						
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test r	Ic → INVITE 2			

TP number	IBCF_102_021	Reference	4.4.5 [1]				
TSS reference	Exit_Point/bcall		· · · · ·				
Selection criteria	NOT PICS 7.2.1/2 AN	ID NOT PICS 7.2.2/6 AND P	CS 7.1.1/2				
Test Purpose name		The P-Asserted-Service header field is left in the INVITE request when crosses the boundary of the trust domain					
Test Purpose	When a IBCF receives an INVITE request from within its own network and a P-Asserted-Service header is present, it leaves the P-Asserted-Service header fields in the SIP request if the other network is trusted.						
SIP Parameter values	INVITE 1: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1 INVITE 2: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1						
Comments		011					
Message flows	Mx SUT Ic						
	INVITE 1 100 Trying	→ ← Apply post test	→ INVITE 2				

TP number	IBCF_102_022	Reference	4.4.5 [1]			
TSS reference	Exit_Point/bcall					
Selection criteria	NOT PICS 7.2.1/2 AN	D PICS 7.2.2/6 AND PICS	\$ 7.1.1/2			
Test Purpose name	The P-Asserted-Service header field is removed from the INVITE request when crosses the boundary of the trust domain					
Test Purpose	When a IBCF receives an INVITE request from within its own network and a P-Asserted-Service header is present, it removes the P-Asserted-Service header fields from the SIP request if the other network is trusted.					
SIP Parameter values	INVITE 1: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1 INVITE 2: P-Asserted-Service header is not present					
Comments						
Message flows	Mx INVITE 1 100 Trying	SUT → ←	Ic → INVITE 2			
		Apply post te	stroutine			

TP number	IBCF_102_023	Reference	4.4.5 [1]			
TSS reference	Exit_Point/bcall					
Selection criteria	PICS 7.2.1/2 AND PIC	CS 7.1.1/2				
Test Purpose name	The P-Asserted-Servi	ce header field is removed fr	om the INVITE request			
Test Purpose	When a IBCF receives an INVITE request from within its own network and a P-Asserted-Service header is present, it removes the P-Asserted-Service header fields in the the SIP request if the other network untrusted.					
SIP Parameter values	INVITE 1: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1					
Comments						
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test	IC → INVITE 2			

TP number	IBCF_102_024	Reference	5.10.6.2 [1]
TSS reference	Exit_Point/bcall		
Selection criteria	PICS 7.2.2/7 AND PIC	CS 7.1.1/2	
Test Purpose name	P-Early-Media not rec	eived IBCF adds a P-Early-I	Media header to the INVITE
Test Purpose		sure that a P-Early-Media he	the own network and no P-Early-Media ader is included in the INVITE request
SIP Parameter values	INVITE 1: INVITE 2: P-Early-Me	edia:	
Comments			
Message flows	Mx INVITE 1	SUT → Apply post test	IC → INVITE 2 routine

TP number	IBCF_102_025	Reference	5.10.6.2 [1]			
TSS reference	Exit_Point/bcall	·	· · · ·			
Selection criteria	PICS 7.2.2/8 AND PI	CS 7.1.1/2				
Test Purpose name	P-Early-Media not red	ceived IBCF adds a P-Early-M	ledia header to the 180 response			
Test Purpose	P-Early-Media heade	When the IBCF receives a 180 Ringing response from the other network and no P-Early-Media header is present, ensure that a P-Early-Media header is included in the 180 Ringing response sent to the own network.				
SIP Parameter values	180 Ringing 1: 180 Ringing 2: P-E	arly-Media:				
Comments						
Message flows	Mx INVITE 180 Ringing 1	SUT ➔ Apply post test	Ic → INVITE ← 180 Ringing 1 routine			

TP number	IBCF_102_026	Reference	5.10.6.2 [1]				
TSS reference	Exit_Point/bcall	·	· · · ·				
Selection criteria	PICS 7.2.2/8 AND PICS	7.1.1/2					
Test Purpose name	P-Early-Media not receive	ed IBCF adds a P-Early-N	ledia header to the 183 response				
Test Purpose	P-Early-Media header is	When the IBCF receives a 183 Session Progress response from the other network and no P-Early-Media header is present, ensure that a P-Early-Media header is included in the 183 Session Progress response sent to the own network.					
SIP Parameter values	183 Session Progress 1: 183 Session Progress 2:	183 Session Progress 1: 183 Session Progress 2:P-Early-Media:					
Comments	×	-					
Message flows	Mx INVITE 183 Session Progress 1	SUT → ←	Ic → INVITE ← 183 Session Progress 1				
	Apply post test routine						

TP number	IBCF_102_027	Refere	ence	5.10.6.2 [1]		
TSS reference	Exit_Point/bcall					
Selection criteria	PICS 7.2.2/9 AND PIC	CS 7.1.1/2				
Test Purpose name	P-Early-Media receive	ed IBCF removes	the P-Early-Media	a header to the INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own network and a P-Early-Media header is present, ensure that the P-Early-Media header is removed from the INVITE request sent to the other network.					
SIP Parameter values	INVITE 1: P-Early-Me	dia:				
Comments						
Message flows	Mx INVITE 1	→ Appl	SUT y post test routin	ic → INVITE 2 e		

TP number	IBCF_102_028	Reference	5.10.6.2 [1]			
TSS reference	Exit_Point/bcall					
Selection criteria	PICS 7.2.2/10 AND P	ICS 7.1.1/2				
Test Purpose name	P-Early-Media receive	ed IBCF removes the P-Early	-Media header to the 180 response			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network and a P-Early-Media header is present, ensure that the P-Early-Media header is removed from the 180 Ringing response sent to the own network.					
SIP Parameter values	180 Ringing 1: P-Early-Media: 180 Ringing 2:					
Comments						
Message flows	Mx INVITE 180 Ringing 1	SUT ➔ Apply post test	Ic → INVITE ← 180 Ringing 1 routine			

	Apply post test routine				
	183 Session Progress 2	←	← 183 Session Progress 1		
	INVITE	→	→ INVITE		
Message flows	Mx	SUT	lc		
Comments					
	183 2:				
SIP Parameter values	183 1: P-Early-Media:				
	9	ss response sent to the ow	n network.		
			P-Early-Media header is removed from		
Test Purpose			esponse from the other network and a		
Test Purpose name			-Media header to the 183 response		
Selection criteria	PICS 7.2.2/10 AND PIC	S 7.1.1/2			
TSS reference	Exit_Point/bcall				
TP number	IBCF_102_029	Reference	5.10.6.2 [1]		

TP number	IBCF_102_030	Re	ference		5.10.6.2 [1]		
TSS reference	Exit_Point/bcall						
Selection criteria	PICS 7.2.2/11 A	ND PICS 7.1.1/2					
Test Purpose name	P-Early-Media re	eceived IBCF mod	fies the P-Early-M	ledia hea	ader to the 180 response		
Test Purpose	P-Early-Media h	When the IBCF receives a 180 Ringing response from the other network and a P-Early-Media header is present, ensure that the P-Early-Media header is modified in the 180 Ringing response sent to the own network.					
SIP Parameter values		P-Early-Media: Not equal to P-Early-Media:					
Comments		-					
Message flows	Mx INVITE 180 Ringing 1	→ ←	SUT Apply post test ro	→ ← outine	Ic INVITE 180 Ringing 1		

TP number	IBCF_102_031	Reference	5.10.6.2 [1]
TSS reference	Exit_Point/bcall		
Selection criteria	PICS 7.2.2/11 AND PICS	7.1.1/2	
Test Purpose name	P-Early-Media received IB	CF modfies the P-Early-	Media header to the 183 response
Test Purpose	When the IBCF receives a 183 Session Progress response from the other network and a P-Early-Media header is present, ensure that the P-Early-Media header is modified in the 183 Session Progress response sent to the own network.		
SIP Parameter values	183 1: P-Early-Media: Not equa 183 2: P-Early-Media:		
Comments			
Message flows	Mx INVITE 183 Session Progress 2	SUT ✦ ✦	Ic → INVITE ← 183 Session Progress 1
	Apply post test routine		

TP number	IBCF_102_032	Reference	4.4.5 [1]
TSS reference	Exit_Point/bcall	<u>.</u>	· · · · ·
Selection criteria	PICS 7.2.2/12		
Test Purpose name	P-Asserted-Identity no	ot received IBCF adds a P-Ass	serted-Identity to a 180 response
Test Purpose	When the IBCF receives a 180 Ringing response from the other network and no P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included in the 180 Ringing response sent to the own network.		
SIP Parameter values	180 1: 180 2: P-Asserted-Ide	entity: <[network specific URI]	>
Comments			
Message flows	Mx INVITE 180 Ringing 2	SUT → ← Apply post test re	Ic → INVITE ← 180 Ringing 1

TP number	IBCF_102_033	Reference	4.4.5 [1]	
TSS reference	Exit_Point/bcall	-		
Selection criteria	PICS 7.2.2/12			
Test Purpose name	P-Asserted-Identity no	P-Asserted-Identity not received IBCF adds a P-Asserted-Identity to a 200 response		
Test Purpose	P-Asserted-Identity is	When the IBCF receives a 200 OK INVITE response from the other network and no P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included in the 200 OK INVITE response sent to the own network.		
SIP Parameter values	200 OK 1: 200 OK 2: P-Asser	ted-Identity: <[network spec	ific URI]>	
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 routine	

TP number	IBCF_102_034	Reference	4.4.5 [1]		
TSS reference	Exit_Point/bcall	·	· · · · ·		
Selection criteria	PICS 7.2.2/12 AND P	ICS 7.2.2/13			
Test Purpose name	P-Asserted-Identity not received IBCF replaces the P-Asserted-Identity to a 180 response				
Test Purpose	When the IBCF receives a 180 Ringing response from the other network and a P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included and the received P-Asserted-Identity is removed from the 180 Ringing response sent to the own network.				
SIP Parameter values	180 1: P-Asserted-Identity: <[any URI]> 180 2: P-Asserted-Identity: <[network specific URI]>				
Comments			-		
Message flows	Mx SUT Ic				
-	INVITE	→	→ INVITE		
	180 Ringing 2 🗲 🗲 180 Ringing 1				
	Apply post test routine				

		4 4 - 543
IBCF_102_035	Reference	4.4.5 [1]
Exit_Point/bcall		
PICS 7.2.2/12 AND PI	CS 7.2.2/13	
P-Asserted-Identity not received IBCF replaces the P-Asserted-Identity to a 200 response		
When the IBCF receives a 200 OK INVITE response from the other network and a P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included and the received P-Asserted-Identity is removed from the 200 OK INVITE response sent to the own network.		
200 OK 1: P-Asserted-Identity: <[any URI]> 200 OK 2: P-Asserted-Identity: <[network specific URI]>		
	· · · · · · · · · · · · · · · · · · ·	
Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← Apply post test re	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 outine
	PICS 7.2.2/12 AND PI P-Asserted-Identity no When the IBCF receiv P-Asserted-Identity is included and the recei response sent to the o 200 OK 1: P-Asserted 200 OK 2: P-Asserted Mx INVITE 180 Ringing	Exit_Point/bcall PICS 7.2.2/12 AND PICS 7.2.2/13 P-Asserted-Identity not received IBCF replaces the When the IBCF receives a 200 OK INVITE respons P-Asserted-Identity is present, ensure that a networ included and the received P-Asserted-Identity is rer response sent to the own network. 200 OK 1: P-Asserted-Identity: <[any URI]> 200 OK 2: P-Asserted-Identity: <[network specific U Mx SUT INVITE → 180 Ringing €

IBCF_102_036	Reference	4.4.5 [1]	
Exit_Point/bcall			
PICS 7.2.2/13			
P-Asserted-Identity received IBCF omits the P-Asserted-Identity from the 180 response			
When the IBCF receives a 180 Ringing response from the other network and a P-Asserted-Identity is present, ensure that the received P-Asserted-Identity header is omitted from the 180 Ringing response sent to the own network.			
Мх	SUT	lc	
INVITE 180 Ringing 2	→ ←	 → INVITE ← 180 Ringing 1 	
	Exit_Point/bcall PICS 7.2.2/13 P-Asserted-Identity revealed When the IBCF receives P-Asserted-Identity is omitted from the 180 180 1: P-Asserted-Identity 180 2: Mx INVITE	Exit_Point/bcall PICS 7.2.2/13 P-Asserted-Identity received IBCF omits the P-/ When the IBCF receives a 180 Ringing response P-Asserted-Identity is present, ensure that the r omitted from the 180 Ringing response sent to t 180 1: P-Asserted-Identity: <[any URI]> 180 2: Mx SUT INVITE	

TP number	IBCF_102_037	Reference	4.4.5 [1]
TSS reference	Exit_Point/bcall		
Selection criteria	PICS 7.2.2/13		
Test Purpose name	P-Asserted-Identity rec	eived IBCF omits the P-A	sserted-Identity from the 200 respons
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and a P-Asserted-Identity is present, ensure that the received P-Asserted-Identity header is omitted from the 200 OK INVITE response sent to the own network.		
SIP Parameter values	200 OK 1: P-Asserted- 200 OK 2:	Identity: <[any URI]>	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← Apply post te	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 st routine

TP number	IBCF 102 038	Reference	5.10.2 [1],
			16.6 [19]
TSS reference	Exit_Point/bcall		
Selection criteria			
Test Purpose name	A Via header is added	in the INVITE	
Test Purpose SIP Parameter values	Ensure that the IBCF on receipt of an INVITE request from the own network forwards the message to the other network after having inserted in first position a Via header set to its location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers. INVITE 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]		
Comments		D/[transport] [URI of IBCF];bra D/[transport] [any URI 1];brand	
		CUIT	1-
Message flows		SUT	
	INVITE 1	→	→ INVITE 2
		Apply post test r	outine

IUT on receipt of ar		16.4 [19]		
added in the ACK IUT on receipt of ar				
IUT on receipt of ar				
IUT on receipt of ar				
		A Via header is added in the ACK		
Ensure that the IUT on receipt of an ACK request from the own network forwards the message to ther other network after having inserted in first position a Via header - set to its location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers.				
SIP/2.0/[transport] [y URI 1];branch=[any value [URI of IBCF];branch= z9h([any URI 1];branch=[any va	- G4bK[any value]		
		-		
→ + +		IC INVITE 180 Ringing 200 OK INVITE ACK 2		
E	→			

TP number	IBCF_102_040	Reference	5.10.2 [1],
			16.6 [19]
TSS reference	Exit_Point/bcall		
Selection criteria			
Test Purpose name	A Via header is added in the C	ANCEL	
Test Purpose	Ensure that the IUT on receipt of a CANCEL request from the own network forwards the		
	message to the other network		
	location with a protocol name set to SIP, a protocol version set to 2.0 and a branch		
	parameter beginning with "z9hG4bK" - to the received list of Via headers.		
SIP Parameter values	CANCEL 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]		
	CANCEL 2: VIA: SIP/2.0/[transport] [URI of IBCF];branch= z9hG4bK[any value]		
-	VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]		
Comments			
Message flows	Mx	SUT	lc
	INVITE 🔶	→ →	INVITE
	180 Ringing 🗧 🗲	• • •	180 Ringing
	CANCEL 1	→ →	CANCEL 2
	Apply post test routine		

TP number	IBCF 102 041	Reference	5.10.2 [1],
IF humber	IBCF_102_041	Reference	
			16.6 [19]
TSS reference	Exit_Point/bcall		
Selection criteria			
Test Purpose name	A Via header is added	in the BYE	
Test Purpose	Ensure that the IUT on receipt of a BYE request from the own network forwards the message to the other network after having inserted in first position a Via header - set to its location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers.		
SIP Parameter values	BYE 2:VIA: SIP/2.0/[trails	ransport] [any URI 1];branch= ansport] [URI of IBCF];branch ansport] [any URI 1];branch=[= z9hG4bK[any value]
Comments			
Message flows	Mx	SUT	lc
-	A session is already established		
	BYE	→	→ BYE
	Apply post test routine		

IBCF_102_042	Reference	5.10.2 [1],
		16.4 [19]
Exit_Point/bcall		
The Route header of the IBCF is removed from the top of Route headers in ACK		
Ensure that the IUT on receipt of an ACK request from the own network including a Route header with the first value indicates the IUT, removes that value from the request and forwards the message to the other network.		
Route: <sip< td=""><td>[any URI]>;Ir</td><td></td></sip<>	[any URI]>;Ir	
Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT + + + Apply post test r	INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2
	Exit_Point/bcall The Route header of th Ensure that the IUT or header with the first va forwards the message ACK 1: Route: <sip 180="" 200="" 2:="" <sip="" ack="" invite="" invite<="" mx="" ok="" ringing="" route:="" th=""><th>Exit_Point/bcall The Route header of the IBCF is removed from the Ensure that the IUT on receipt of an ACK request fr header with the first value indicates the IUT, remove forwards the message to the other network. ACK 1: Route: <sip:[uri ibcf]="" of="">;Ir Route: <sip:[any]="" uri="">;Ir ACK 2: Route: <sip:[any]="" uri="">;Ir Mx SUT INVITE → 180 Ringing ← 200 OK INVITE ←</sip:[any></sip:[any></sip:[uri></th></sip>	Exit_Point/bcall The Route header of the IBCF is removed from the Ensure that the IUT on receipt of an ACK request fr header with the first value indicates the IUT, remove forwards the message to the other network. ACK 1: Route: <sip:[uri ibcf]="" of="">;Ir Route: <sip:[any]="" uri="">;Ir ACK 2: Route: <sip:[any]="" uri="">;Ir Mx SUT INVITE → 180 Ringing ← 200 OK INVITE ←</sip:[any></sip:[any></sip:[uri>

TP number	IBCF_102_043	Reference	5.10.2 [1]
TSS reference	Exit_Point/bcall	· · · · · · · · · · · · · · · · · · ·	· · · · · ·
Selection criteria			
Test Purpose name	ACK without Route he	eader received	
Test Purpose			from the own network without a Route e Request-URI in the other network.
SIP Parameter values		×	•
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	180 Ringing	+	 180 Ringing
	200 OK INVITE	+	200 OK INVITE
	ACK	→	→ ACK
		Apply post test	routine

TP number	IBCF_102_044	Reference	5.10.2 [1]		
TSS reference	Exit_Point/bcall	·	· · · · · ·		
Selection criteria					
Test Purpose name	The Route header of	the IBCF is removed from th	ne top of Route headers in CANCEL		
Test Purpose	Ensure that the IUT on receipt of a CANCEL request from the own network including a Route header with the first value indicates the IUT, removes that value from the request and forwards the message to the other network.				
SIP Parameter values		<sip:[uri ibcf]="" of="">;lr <sip:[any]="" uri="">;lr <sip:[any]="" uri="">;lr</sip:[any></sip:[any></sip:[uri>			
Comments					
Message flows	Mx INVITE 180 Ringing CANCEL 1	SUT → ← → Apply post test	IC → INVITE ← 180 Ringing → CANCEL 2 t routine		

TP number	IBCF_102_045	Refere	nce	5.10.2 [1]
TSS reference	Exit_Point/bcall	<u>.</u>		
Selection criteria				
Test Purpose name	CANCEL without Rou	ite header receive	ed	
Test Purpose				e own network without a Route t-URI in the other network.
SIP Parameter values			•	
Comments				
Message flows	Mx		SUT	lc
	INVITE	→	→	INVITE
	180 Ringing	←	+	180 Ringing
	CANCEL	→	→	CANCEL
		Apply	y post test routine	

TP number	IBCF_102_046	Reference	5.10.2 [1]		
TSS reference	Exit_Point/bcall				
Selection criteria					
Test Purpose name	The Route header of th	ne IBCF is removed from the	e top of Route headers in ACK		
Test Purpose	header with the first val	Ensure that the IUT on receipt of a BYE request from the own network including a Route header with the first value indicates the IUT, removes that value from the request and forwards the message to the other network.			
SIP Parameter values	BYE 1:Route: <sip:[ur Route: <sip:[any BYE 2:Route: <sip:[any< th=""><th>y URI]>;lr</th><th></th></sip:[any<></sip:[any </sip:[ur 	y URI]>;lr			
Comments		• •			
Message flows	Mx BYE 1	SUT A session is already ➔	Ic established → BYE 2		
	Apply post test routine				

TP number	IBCF_102_047	Reference	5.10.2 [1]	
TSS reference	Exit_Point/bcall		· · · · · · · · · · · · · · · · · · ·	
Selection criteria				
Test Purpose name	BYE without Route hea	ader received		
Test Purpose	Ensure that the IUT on receipt of a BYE request from the own network without a Route header, forwards the message to the address in the Request-URI in the other network.			
SIP Parameter values		<u>x</u>	•	
Comments				
Message flows	Мх	SUT A session is already e	lc established	
	BYE	→ Apply post test rest	→ BYE	

6.1.3 Screening of SIP signalling

6.1.3.1 Basic call requirements

TP number	IBCF_103_001	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall		· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Accept header supp	orted in INVITE		
Test Purpose	header, ensure that	eives an INVITE request f an INVITE request is ser ed from the own network.	rom the own network containing at to the other network and the A	an Accept ccept header
SIP Parameter values	INVITE: Accept: a	pplication/sdp		
Comments				
Message flows	Mx	SU	JT lo	;
	INVITE	→	→ INVITE	
	Apply post test routine			

TP number	IBCF_103_002	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept header support	rted in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing an Accept header, ensure that a 200 OK INVITE response is sent to the own network and the Accept header is present as received from the other network.				
SIP Parameter values	200 OK: Accept: ap	plication/sdp			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test r	Ic → INVITE ← 180 Ringing ← 200 OK INVITE outine		

		Apply post test ro	outine		
	BYE	→	→ BYE		
		A session is already e	stablished		
Message flows	Mx	SUT	lc		
Comments					
SIP Parameter values	BYE: Accept: applica	tion/sdp			
	present as received from the own network.				
-	header, ensure that an	BYE request is sent to the ot	ther network and the Accept header is		
Test Purpose	When the IBCF receives a BYE request from the own network containing an Accept				
Test Purpose name	Accept header support	ed in BYE			
Selection criteria	PICS 7.1.1/3				
TSS reference	Exit_Point/scr/bcall				
TP number	IBCF_103_003	Reference	Annex A [3]		

TP number	IBCF_103_004	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/18		
Test Purpose name	Accept-Contact heade	er supported in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own network containing an Accept-Contact header, ensure that an INVITE request is sent to the other network and the Accept-Contact header is present as received from the own network.			
SIP Parameter values	INVITE: Accept-Contact: * ;mobility="mobile";language="en,de"			
Comments				
Message flows	Mx SUT Ic			
-	INVITE	→	→ INVITE	
	Apply post test routine			

TP number	IBCF_103_005	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/18			
Test Purpose name	Accept-Contact head	er supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing an Accept-Contact header, ensure that a BYE request is sent to the other network and the Accept-Contact header is present as received from the own network.				
SIP Parameter values	BYE: Accept-Contac	ct: *;mobility="fixed"; language	e="en,de"		
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_006	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcal	I		
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Accept-Encoding h	neader supported in INVITE		
Test Purpose	Accept-Encoding h		om the own network containing an E request is sent to the other network and eived from the own network.	
SIP Parameter values	INVITE: Accept-	Encoding: gzip		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→	→ INVITE	
	Apply post test routine			

TP number	IBCF_103_007	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		· · · · ·
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Accept-Encoding head	der supported in 200 OK	
Test Purpose	Accept-Encoding head	der, ensure that a 200 OK IN	s from the other network containing an VITE response is sent to the own nt as received from the other network.
SIP Parameter values	200 OK: Accept-End	coding: gzip	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine

TP number	IBCF_103_008	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Encoding head	er supported in BYE			
Test Purpose	Accept-Encoding head	es a BYE request from the ow er, ensure that a BYE reques er is present as received from	st is sent to the other network and the		
SIP Parameter values	BYE: Accept-Encodin	g: gzip			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE BYE BYE				
	Apply post test routine				

TP number	IBCF_103	_009	Reference	Annex A [3]		
TSS reference	Exit_Point	/scr/bcall				
Selection criteria	PICS 7.1.1	1/3				
Test Purpose name	Accept-La	nguage header sup	ported in INVITE			
Test Purpose	Accept-La	When the IBCF receives an INVITE request from the own network containing an Accept-Language header, ensure that an INVITE request is sent to the other network and the Accept-Language header is present as received from the own network.				
SIP Parameter values	INVITE:	Accept-Language:	en, de			
Comments						
Message flows	Mx SUT Ic					
	INVITE	-		→ INVITE		
	Apply post test routine					

TP number	IBCF_103_010	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Language head	der supported in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing an Accept-Language header, ensure that a 200 OK INVITE response is sent to the other network and the Accept-Language header is present as received from the own network.				
SIP Parameter values	200 OK: Accept-Lan	guage: en, de			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post tes	Ic → INVITE ← 180 Ringing ← 200 OK INVITE st routine		

TP number	IBCF_103_011	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Language head	ler supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing an Accept-Language header, ensure that a BYE request is sent to the other network and the Accept-Language header is present as received from the own network.				
SIP Parameter values	BYE: Accept-Language	ge: en, de			
Comments					
Message flows	Mx	SUT	lc		
-		A session is already e	stablished		
	BYE	→	→ BYE		
		Apply post test ro	outine		

TP number	IBCF_103_012	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header suppo	orted in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing an Allow header, ensure that an INVITE request is sent to the other network and the Allow header is present as received from the own network.				
SIP Parameter values	INVITE: Allow: INVITE, ACK, CANCEL, BYE				
Comments					
Message flows	Mx SUT Ic				
	INVITE	→	→ INVITE		
	Apply post test routine				

TP number	IBCF_103_013	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Allow header supporte	d in 180				
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing an Allow header, ensure that a 180 Ringing response is sent to the own network and the Allow header is present as received from the other network.					
SIP Parameter values	180: Allow: INVITE,	ACK, CANCEL, BYE				
Comments						
Message flows	Мх	SUT	lc			
	INVITE	→	→ INVITE			
	180 Ringing 🗲 🗲 180 Ringing					
	200 OK INVITE 🗲 🗲 200 OK INVITE					
		Apply post test routine				

TP number	IBCF_103_014	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header support	ed in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing an Allow header, ensure that a 200 OK INVITE response is sent to the own network and the Allow header is present as received from the other network.				
SIP Parameter values	200 OK: Allow: INVI	ITE, ACK, CANCEL, BYE			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine		

		Apply post test re	outine		
	BYE	→	→ BYE		
	A session is already established				
Message flows	Mx	SUT	lc		
Comments					
SIP Parameter values	BYE: Allow: INVITE,	ACK, CANCEL, BYE			
	received from the own				
•			ork and the Allow header is present as		
Test Purpose	When the IBCF received	es a BYE request from the ow	vn network containing an Allow header,		
Test Purpose name	Allow header supporte	d in BYE			
Selection criteria	PICS 7.1.1/3				
TSS reference	Exit_Point/scr/bcall				
TP number	IBCF_103_015	Reference	Annex A [3]		

TP number	IBCF_103_016	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall	· · · · · ·	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Allow header supporte	d in 200 OK BYE				
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing an Allow header, ensure that a 200 OK BYE response is sent to the own network and the Allow header is present as received from the other network.					
SIP Parameter values	200 OK BYE: Allow: IN	VITE, ACK, CANCEL, OPTI	ONS, BYE			
Comments						
Message flows	Mx	SUT	lc			
-	A session is already established					
	BYE	BYE → BYE				
	200 OK BYE 🗲 🗲 200 O					

TP number	IBCF_103	_017	Reference		Annex A [3]	
TSS reference	Exit_Point/	/scr/bcall				
Selection criteria	PICS 7.1.1					
Test Purpose name	Allow-Ever	nts header supported	l in INVITE			
Test Purpose	Allow-Ever	When the IBCF receives an INVITE request from the own network containing an Allow-Events header, ensure that an INVITE request is sent to the other network and the				
	Allow-Ever	nts header is present	as received from th	ne own netv	work.	
SIP Parameter values	INVITE: Allow-Events: call-completion					
Comments						
Message flows		Mx	SUT		lc	
	INVITE	→		→	INVITE	
	Apply post test routine					

TP number	IBCF_103_018	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow-Events header s	upported in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing an Allow-Events header, ensure that a 200 OK INVITE response is sent to the own network and the Allow-Events header is present as received from the other network.				
SIP Parameter values	200 OK: Allow-Event	s: call-completion			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	IC → INVITE ← 180 Ringing ← 200 OK INVITE t routine		

TP number	IBCF_103_019	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	· · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow-Events header s	supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing an Allow-Events header, ensure that a BYE request is sent to the other network and the Allow-Events header is present as received from the own network.				
SIP Parameter values	BYE: Allow-Events: c	all-completion			
Comments		•			
Message flows	Mx	SUT	lc		
-	A session is already established				
	BYE	→	→ BYE		
		Apply post test re	outine		

TP number	IBCF_103_020	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall	-		
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Allow-Events header s	supported in 200 OK BYE		
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing an Allow-Events header, ensure that a 200 OK BYE response is sent to the own network and the Allow-Events header is present as received from the other network.			
SIP Parameter values	200 OK BYE: Allow-E	200 OK BYE: Allow-Events: call-completion		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	→	→ BYE	
	200 OK BYE	+	← 200 OK BYE	

TP number	IBCF_103_021	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-ID header supported	in INVITE	
Test Purpose		IVITE request is sent to the	he own network containing a Call-ID ne other network and the Call-ID header
SIP Parameter values	INVITE: Call-ID: [any va	alue]	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	Apply post test routine		

TP number	IBCF_103_022	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-ID header supported in	180	
Test Purpose	Call-ID header, ensure that	80 Ringing response from the otl a 180 Ringing response is sent to received from the other network.	o the own network and the
SIP Parameter values	180: Call-ID: [any value]		
Comments			
Message flows	Mx	SUT	lc
	INVITE	\rightarrow \rightarrow	INVITE
	180 Ringing	÷ ÷	180 Ringing
		Apply post test routine	

TP number	IBCF_103_023	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Call-ID header suppor	ted in 200 OK INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Call-ID header, ensure that a 200 OK INVITE response is sent to the own network and the Call-ID header is present as received from the other network.			
SIP Parameter values	200 OK INVITE: Call-	-ID: [any value]		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ➔ ← ← Apply post test	IC → INVITE ← 180 Ringing ← 200 OK INVITE routine	

TP number	IBCF_103_024	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall	·	· · ·
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-ID header support	ed in ACK	
Test Purpose	When the IBCF receives an ACK request from the own network containing a Call-ID header, ensure that an ACK request is sent to the other network and the Call-ID header is present as received from the own network.		
SIP Parameter values	ACK: Call-ID: [any va	lue]	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT + + + Apply post tes	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK st routine

TP number	IBCF_103_025	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-ID header supported in	n BYE	
Test Purpose		is sent to the other net	own network containing a Call-ID header, work and the Call-ID header is present as
SIP Parameter values	BYE: Call-ID: [any value]		
Comments			
Message flows	Mx	SUT	lc
	A session is already established		
	BYE	→	→ BYE
	Apply post test routine		

TP number	IBCF_103_026	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-ID header suppor	ted in 200 OK BYE	
Test Purpose	Call-ID header, ensure		rom the other network containing a e is sent to the own network and the r network.
SIP Parameter values	200 OK BYE: Call-ID:	[any value]	
Comments			
Message flows	Mx	SUT	lc
	A session is already established		
	BYE → BYE		
	200 OK BYE	+	← 200 OK BYE

TP number	IBCF_103_027	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Call-Info header supporte	ed in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Call-Info header, ensure that an INVITE request is sent to the other network and the Call-Info header is present as received from the own network.			
SIP Parameter values	INVITE: Call-Info: <[any URI]>			
Comments				
Message flows	Mx SUT Ic			
	INVITE	→	→ INVITE	
	Apply post test routine			

TP number	IBCF_103_028	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-Info header suppo	orted in 180	
Test Purpose	Call-Info header, ensu	es a 180 Ringing response re that a 180 Ringing respo sent as received from the c	from the other network containing a onse is sent to the own network and the other network.
SIP Parameter values	180: Call-Info: <[any	URI]>	
Comments			
Message flows	Mx	SUT	lc
_	INVITE	→	→ INVITE
	180 Ringing	←	 180 Ringing
		Apply post tes	troutine

TP number	IBCF_103_029	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-Info header supp	orted in 200 OK INVITE	
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Call-Info header, ensure that a 200 OK INVITE response is sent to the own network and the Call-Info header is present as received from the other network.		
SIP Parameter values	200 OK INVITE: Call	-Info: <[any URI]>	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine

TP number	IBCF_103	3_030	Reference	Annex A [3]	
TSS reference	Exit_Poin	t/scr/bcall			
Selection criteria	PICS 7.1.	1/3			
Test Purpose name	Contact h	eader supported in IN	IVITE		
Test Purpose	header, e			etwork containing a Contact network and the Contact header	
SIP Parameter values	INVITE:	Contact: <[any URI]:	>		
Comments					
Message flows		Mx	SUT	lc	
	INVITE	→	→	INVITE	
	Apply post test routine				

TP number	IBCF_103_031	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Contact header suppo	orted in 180	
Test Purpose	Contact header, ensu		from the other network containing a use is sent to the own network and the her network.
SIP Parameter values	180: Contact: <[any	[,] URI]>	
Comments			
Message flows	Mx INVITE 180 Ringing	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing routine

TP number	IBCF_103_032	Reference		Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header suppo	rted 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Contact header, ensure that a 200 OK INVITE response is sent to the own network and the Contact header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Cont	act: <[any URI]>			
Comments					
Message flows	Мх	-	UT	lc	
	INVITE	→	→	INVITE	
	180 Ringing \leftarrow 180 Ringing				
	200 OK INVITE	÷	÷	200 OK INVITE	
		Apply pos	at test routine		

TP number	IBCF_103_033	Refer	rence	Annex A [3]	
TSS reference	Exit_Point/scr/bcall	•		· • •	
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header suppo	orted in ACK			
Test Purpose	When the IBCF receives an ACK request from the own network containing a Contact header, ensure that an ACK request is sent to the other network and the Contact header is present as received from the own network.				
SIP Parameter values	ACK: Contact: <[any	URI]>			
Comments		-			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	÷ ÷ ÷	SUT	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK ine	
		Abb	ny posi lesi loui		

TP number	IBCF_103_034	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header supported in B	YE			
Test Purpose	When the IBCF receives a BYI header, ensure that a BYE req present as received from the o	uest is sent to the other networ			
SIP Parameter values	BYE: Contact: <[any URI]>				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE 🗕	· · · · · · · · · · · · · · · · · · ·	BYE		
	Apply post test routine				

TP number	IBCF_103_035	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header supp	orted in 200 OK BYE			
Test Purpose	Contact header, ensu		rom the other network containing a se is sent to the own network and the er network.		
SIP Parameter values	200 OK BYE: Contac	t: <[any URI]>			
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103_0	036 R	eference	Annex A [3]		
TSS reference	Exit_Point/set	cr/bcall				
Selection criteria	PICS 7.1.1/3	3				
Test Purpose name		position header supp				
Test Purpose	Content-Dis	When the IBCF receives an INVITE request from the own network containing a Content-Disposition header, ensure that an INVITE request is sent to the other network and the Content-Disposition header is present as received from the own network.				
SIP Parameter values	INVITE: C	INVITE: Content-Disposition: session; handling=optional				
Comments						
Message flows		Mx SUT Ic				
	INVITE	→	→	INVITE		
		Apply post test routine				

TP number	IBCF_103_037	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Disposition h	eader supported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Content-Disposition header, ensure that a 180 Ringing response is sent to the own network and the Content-Disposition header is present as received from the other network.				
SIP Parameter values	180: Content-Dispos	sition: session; handling=o	ptional		
Comments					
Message flows	Mx INVITE 180 Ringing	SUT ➔ Apply post te:	Ic → INVITE ← 180 Ringing st routine		

TP number	IBCF_103_038	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Disposition he	ader supported in 200 OK	INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Content-Disposition header, ensure that 200 OK INVITE response is sent to the own network and the Content-Disposition header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Cont	ent-Disposition: session; h	andling=optional		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE t routine		

TP number	IBCF_103_039	Referer	nce	Annex A [3]		
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Disposition he	eader supported i	n ACK			
Test Purpose	Content-Disposition he	When the IBCF receives an ACK request from the own network containing a Content-Disposition header, ensure that an ACK request is sent to the other network and the Content-Disposition header is present as received from the own network.				
SIP Parameter values	ACK: Content-Dispos					
Comments			*			
Message flows	Mx		SUT	lc		
	INVITE	→		→ INVITE		
	180 Ringing	+		 180 Ringing 		
	200 OK INVITE	+		← 200 OK INVITE		
	ACK	→		→ ACK		
		Apply	post test routi	ne		

TP number	IBCF_103_040	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Disposition he	eader supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a Content-Disposition header, ensure that a BYE request is sent to the other network and the Content-Disposition header is present as received from the own network.				
SIP Parameter values	BYE: Content-Dispos	sition: session; handling=optic	onal		
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_041	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Disposition h	neader supported in 200 OK B	YE		
Test Purpose	Content-Disposition h	neader, ensure that 200 OK BY	rom the other network containing a /E response is sent to the own network eceived from the other network.		
SIP Parameter values	INVITE: Content-D	isposition: session; handling=c	otional		
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103	3_042	Reference	Annex A [3]	
TSS reference	Exit_Poin	t/scr/bcall			
Selection criteria	PICS 7.1.	.1/3			
Test Purpose name	Content-E	Encoding header supp	orted in INVITE		
Test Purpose	Content-E	Encoding header, ensi		own network containing a uest is sent to the other network and rom the own network.	
SIP Parameter values	INVITE:	Content-Encoding: g	zip		
Comments					
Message flows		Mx	SUT	lc	
	INVITE	→		→ INVITE	
	Apply post test routine				

TP number	IBCF_103_043	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Content-Encoding hea	ader supported in 180	
Test Purpose	Content-Encoding hea	ader, ensure that a 180 Ring	from the other network containing a ging response is sent to the own network eceived from the other network.
SIP Parameter values	180: Content-Encod	ding: gzip	
Comments			
Message flows	Mx	SUT	lc
_	INVITE	→	→ INVITE
	180 Ringing	+	 180 Ringing
		Apply post tes	routine

TP number	IBCF_103_044	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall		· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Encoding hea	ader supported in 200 Ok	INVITE	
Test Purpose	Content-Encoding hea	ader, ensure that a 200 C	conse from the other network K INVITE response is sent to resent as received from the o	the own
SIP Parameter values	200 OK INVITE: Con	tent-Encoding: gzip		
Comments				
Message flows	Mx INVITE	SUT ➔	→ INVITE	lc
	180 Ringing 200 OK INVITE	← ←	← 180 Ringing ← 200 OK INVIT	Ē
		Apply post to	est routine	

TP number	IBCF_103_045	Refer	ence	Annex A [3]
TSS reference	Exit_Point/scr/bcall			· • •
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Encoding hea	ader supported	in ACK	
Test Purpose	When the IBCF receiv Content-Encoding hea Content-Encoding hea	ader, ensure tha	at an ACK reques	t is sent to the other network and the
SIP Parameter values	ACK: Content-Encod			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	÷ ÷ ÷	SUT	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK ine
		Abh	ny posi lest rout	

TP number	IBCF_103_046	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Encoding head	ler supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a Content-Encoding header, ensure that a BYE request is sent to the other network and the Content-Encoding header is present as received from the own network.				
SIP Parameter values	BYE: Content-Encodir	ng: gzip			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_047	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Encoding hea	ader supported in 200 OK BY	E		
Test Purpose	Content-Encoding hea	der, ensure that a 200 OK B	from the other network containing a YE response is sent to the own network ceived from the other network.		
SIP Parameter values	200 OK BYE: Content	-Encoding: gzip			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103	3_048	Refer	ence		Annex A [3]
TSS reference	Exit_Poin	t/scr/bcall				
Selection criteria	PICS 7.1.	.1/3				
Test Purpose name	Content-L	anguage he	eader supported	in INVITE		
Test Purpose	Content-L	When the IBCF receives an INVITE request from the own network containing a Content-Language header, ensure that an INVITE request is sent to the other network and the Content-Language header is present as received from the own network.				
SIP Parameter values	INVITE:	INVITE: Content-Language: fr, de				
Comments						
Message flows		Mx		SUT		lc
	INVITE		→		→	INVITE
	Apply post test routine					

TP number	IBCF_103_049	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Content-Language he	eader supported in 180	
Test Purpose	Content-Language he	eader, ensure that a 180 R	se from the other network containing a inging response is sent to the own network s received from the other network.
SIP Parameter values	180: Content-Langu	lage: fr, de	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	
	180 Ringing	÷	 180 Ringing
		Apply post te	st routine

TP number	IBCF_103_050	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Language hea	der supported in 200 OK II	NVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Content-Language header, ensure that a 200 OK INVITE response is sent to the own network and the Content-Language header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Conte	ent-Language: fr, de			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ➔ Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine		

TP number	IBCF_103_051	Refer	ence	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			· • •	
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Language he	ader supported	in ACK		
Test Purpose	When the IBCF receives an ACK request from the own network containing a Content-Language header, ensure that an ACK request is sent to the other network and the Content-Language header is present as received from the own network.				
SIP Parameter values	ACK: Content-Langu	age: fr, de			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	→ ← ← → →	SUT	INVITE ← 180 Ringing ← 200 OK INVITE → ACK	
		Арр	ly post test rout	ine	

TP number	IBCF_103_052	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Language he	ader supported in BYE			
Test Purpose	Content-Language he	res a BYE request from the ov ader, ensure that a BYE requ ader is present as received fr	est is sent to the other network and the		
SIP Parameter values	BYE: Content-Langu	age: fr, de			
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_053	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Language he	eader supported in 200 OK BY	Έ		
Test Purpose	Content-Language he	eader, ensure that a 200 OK B	rom the other network containing a BYE response is sent to the own network ceived from the other network.		
SIP Parameter values	200 OK BYE: Conter	nt-Language: fr, de			
Comments					
Message flows	Mx	SUT	lc		
-	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	÷	← 200 OK BYE		

TP number	IBCF_103	3_054	Reference	Annex A [3]	
TSS reference	Exit_Poin	t/scr/bcall			
Selection criteria	PICS 7.1.	1/3			
Test Purpose name	Content-L	ength header suppor	ted in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Content-Length header, ensure that an INVITE request is sent to the other network and the Content-Length header is present as received from the own network.				
SIP Parameter values	INVITE: Content-Length: [any value]				
Comments					
Message flows		Mx	SUT	lc	
	INVITE	→	→	INVITE	
	Apply post test routine				

TP number	IBCF_103_055	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·	· · · · ·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Length heade	er supported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Content-Length header, ensure that a 180 Ringing response is sent to the own network and the Content-Length header is present as received from the other network.				
SIP Parameter values	INVITE: SDP 1 180: Content-Le SDP 2	ngth: [any value]			
Comments					
Message flows	Mx INVITE 180 Ringing	SUT → ← Apply post tes	Ic → INVITE ← 180 Ringing		

TP number	IBCF_103_056	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·	· • • •		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Length head	er supported in 200 OK INV	ITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Content-Length header, ensure that a 200 OK INVITE response is sent to the own network and the Content-Length header is present as received from the other network.				
SIP Parameter values	INVITE: SDF 200 OK INVITE: Cor SDF	tent-Length: [any value]			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post tes	Ic → INVITE ← 180 Ringing ← 200 OK INVITE t routine		

TP number	IBCF_103_057	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Length head	er supported in ACK				
Test Purpose	Content-Length head	When the IBCF receives an ACK request from the own network containing a Content-Length header, ensure that an ACK request is sent to the other network and the Content-Length header is present as received from the own network.				
SIP Parameter values	200 OK: SDP 1 ACK: Content-Le SDP 2	ength: [any value]				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT → ← ← → Apply post test r	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK outine			

TP number	IBCF_103_058	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Length heade	er supported in BYE		
Test Purpose	When the IBCF receives a BYE request from the own network containing a Content-Length header, ensure that a BYE request is sent to the other network and the Content-Length header is present as received from the own network.			
SIP Parameter values	BYE: Content-Length	n: [any value]		
Comments				
Message flows	Mx BYE	SUT A session is already e ➔	→ BYE	
		Apply post test r	outine	

TP number	IBCF_103_059	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall		· · · · · · · · · · · · · · · · · · ·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Length head	er supported in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing a Content-Length header, ensure that a 200 OK BYE response is sent to the own network and the Content-Length header is present as received from the other network.				
SIP Parameter values	200 OK BYE: Conten	t-Length: [any value]			
Comments					
Message flows	Mx	SUT	lc		
-	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103_060	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type heade	r supported in INVITE			
Test Purpose	Content-Type header	When the IBCF receives an INVITE request from the own network containing a Content-Type header, ensure that an INVITE request is sent to the other network and the Content-Type header is present as received from the own network.			
SIP Parameter values	INVITE: Content-T	INVITE: Content-Type: application/sdp			
Comments					
Message flows	Mx	SUT	lc		
-	INVITE	→	→ INVITE		
	Apply post test routine				

TP number	IBCF_103_061	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall		· · · · · · · · · · · · · · · · · · ·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header	supported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Content-Type header, ensure that a 180 Ringing response is sent to the own network and the Content-Type header is present as received from the other network.				
SIP Parameter values	180: Content-Type:	application/sdp			
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	→	→ INVITE		
	180 Ringing	+	 180 Ringing 		
		Apply post test routine			

TP number	IBCF_103_062	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header s	supported in 200 OKINVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Content-Type header, ensure that a 200 OK INVITE response is sent to the own network and the Content-Type header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Cont	ent-Type: application/sdp			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test	IC → INVITE ← 180 Ringing ← 200 OK INVITE routine		

TP number	IBCF_103_063	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·	<u> </u>		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header	supported in ACK			
Test Purpose	When the IBCF receives an ACK request from the own network containing a Content-Type header, ensure that an ACK request is sent to the other network and the Content-Type header is present as received from the own network.				
SIP Parameter values	ACK: Content-Type:	application/sdp			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT → ← ← → Apply post test	INVITE ← 180 Ringing ← 200 OK INVITE → ACK		

TP number	IBCF_103_064	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Type header	supported in BYE		
Test Purpose	When the IBCF receives a BYE request from the own network containing a Content-Type header, ensure that a BYE request is sent to the other network and the Content-Type header is present as received from the own network.			
SIP Parameter values	BYE: Content-Type:	application/sdp		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	→	→ BYE	
	Apply post test routine			

TP number	IBCF_103_065	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Type header	supported in 200 OK BYE		
Test Purpose	Content-Type header		rom the other network containing a esponse is sent to the own network and m the other network.	
SIP Parameter values	200 OK BYE: Conten	t-Type: application/sdp		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	→	→ BYE	
	200 OK BYE	÷	← 200 OK BYE	

TP number	IBCF_103	3_066	Reference		Annex A [3]
TSS reference	Exit_Point	t/scr/bcall			
Selection criteria	PICS 7.1.	1/3			
Test Purpose name	Cseq hea	der supported in INV	/ITE		
Test Purpose	header, ei		E request is sent to		twork containing a Cseq twork and the Cseq header is
SIP Parameter values	INVITE:	Cseq: [any value] II	NVITE		
Comments					
Message flows		Mx	SUT		lc
	INVITE	-	•	→	INVITE
	Apply post test routine				

TP number	IBCF_103_067	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	•			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supported in 1	30			
Test Purpose	When the IBCF receives a 1 header, ensure that a 180 R header is present as receive	inging response is sent to the o	other network containing a Cseq wn network and the Cseq		
SIP Parameter values	180: Cseq: [any value] IN\	/ITE			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	\rightarrow \rightarrow	INVITE		
	180 Ringing	← ←	180 Ringing		
	Apply post test routine				

TP number	IBCF_103_068	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supporte	ed in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Cseq header, ensure that a 200 OK INVITE response is sent to the own network and the Cseq header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Cse	q: [any value] INVITE			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post tes	Ic → INVITE ← 180 Ringing ← 200 OK INVITE t routine		

	ensure that an ACK request is sent to the other network and the Cseq header is present as				
	received from the owr	n network.			
SIP Parameter values	ACK: Cseq: [any val	ue] ACK			
Comments					
Message flows	Mx		SUT	lc	
_	INVITE	→	→	INVITE	
	180 Ringing	÷	÷	180 Ringing	
	200 OK INVITE	+	+	200 OK INVITE	
	ACK	→	→	ACK	
		Ар	ply post test routine		

TP number	IBCF_103_070	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supporte	ed in BYE			
Test Purpose		n INVITE request is sent to the	he own network containing a Cseq ne other network and the Cseq header is		
SIP Parameter values	BYE: Cseq: [any valu	Je] BYE			
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

SIP Parameter values	200 OK BYE: Cseq: [any value] BYE					
Test Purpose	Cseq header, ensure	When the IBCF receives a 200 OK BYE response from the other network containing a Cseq header, ensure that a 200 OK BYE response is sent to the own network and the Cseq header is present as received from the other network.				
Test Purpose name	Cseq header supporte					
TSS reference Selection criteria	Exit_Point/scr/bcall PICS 7.1.1/3					
TP number	IBCF_103_071	Reference	Annex A/[3]			

TP number	IBCF_103_072	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header suppor	rted in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Date header, ensure that an INVITE request is sent to the other network and the Date header is present as received from the own network.				
SIP Parameter values	INVITE: Date: We	en, 23 Mar 2011 13:03:00 GMT			
Comments					
Message flows	Mx	SUT	lc		
-	INVITE	→			
	Apply post test routine				

TP number

TSS reference

Selection criteria

Test Purpose name Test Purpose

	Apply post test routine				
	180 Ringing	+	 180 Ringing 		
	INVITE	→	→ INVITE		
Message flows	Мх	SUT	lc		
Comments					
SIP Parameter values	180: Date: Wen, 23	Mar 2011 13:03:00 GMT			
		eceived from the other ne			
-			sent to the own network and the Date		
Test Purpose	When the IBCF receiv	es a 180 Ringing respons	se from the other network containing a Date		
Test Purpose name	Date header supporte	d in 180			
Selection criteria	PICS 7.1.1/3				
TSS reference	Exit_Point/scr/bcall				
TP number	IBCF_103_073	Reference	Annex A [3]		

TP number	IBCF_103_074	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header supported	d in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Date header, ensure that a 200 OK INVITE response is sent to the own network and the Date header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Date	e: Wen, 23 Mar 2011 13:03:0	0 GMT		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ➔ ← ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine		

TP number	IBCF_103_075	Reference		Annex A [3]	
TSS reference	Exit_Point/scr/bcall			· · ·	
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header supported	d in ACK			
Test Purpose	When the IBCF receives an ACK request from the own network containing a Date, ensure that an ACK request is sent to the other network and the Date header is present as received from the own network.				
SIP Parameter values	ACK: Date: Wen, 23	Mar 2011 13:03:00 G	MT		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	→ + +	UT → ← ← ← t test routine	IC INVITE 180 Ringing 200 OK INVITE ACK	

TP number	IBCF_103_076	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header supported	d in BYE			
Test Purpose		sent to the other network an	own network containing a Date, ensure d the Date header is present as received		
SIP Parameter values	BYE: Date: Wen, 23	Mar 2011 13:03:00 GMT			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_077	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header supporte	ed in 200 OK BYE			
Test Purpose	header, ensure that a		rom the other network containing a Date t to the own network and the Date rk.		
SIP Parameter values	200 OK BYE: Date: V	Ven, 23 Mar 2011 13:03:00 GM	МТ		
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	÷	← 200 OK BYE		

TP number	IBCF_103	3_078	Reference		Annex A [3]
TSS reference	Exit_Poin	t/scr/bcall			
Selection criteria	PICS 7.1.	1/3			
Test Purpose name	Expires h	eader supported in I	NVITE		
Test Purpose	header, e		E request is sent to		twork containing a Expires etwork and the Expires header
SIP Parameter values	INVITE:	Expires: 3600			
Comments					
Message flows		Mx	SUT		lc
	INVITE	-	>	→	INVITE
	Apply post test routine				

TP number	IBCF_103_079	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Expires header supporte	d in 180		
Test Purpose	Expires header, ensure t		from the other network containing a se is sent to the own network and the ner network.	
SIP Parameter values	180: Expires: 3600			
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→	→ INVITE	
	180 Ringing	+	 180 Ringing 	
	Apply post test routine			

TP number	IBCF_103_080	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Expires header suppo	rted in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Expires header, ensure that a 200 OK INVITE response is sent to the own network and the Expires header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Exp	ires: 3600			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine		

TP number	IBCF_103_08	31	Reference		Annex A [3]
TSS reference	Exit_Point/sc	r/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Event header	supported in SUE	BCRIBE		
Test Purpose	header, ensu	re that a SUBSCF		t to the oth	network containing a Event er network and the Event
SIP Parameter values	SUBSRIBE:	Event: call-comp	letion		
Comments					
Message flows	N	Ix	SUT		lc
-	SUBSRIBE	→		→	SUBSRIBE
	Apply post test routine				

TP number	IBCF_103_082	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall	•	· · · · · · · · · · · · · · · · · · ·
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Event header support	ed in NOTIFY	
Test Purpose		NOTIFY request is sent to the	e own network containing a Event e other network and the Event header is
SIP Parameter values	NOTIFY: Event: call-	completion	
Comments		· · · ·	
Message flows	Mx NOTIFY	SUT → Apply post test r	→ NOTIFY

TP number	IBCF_103_083	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bca	all			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header supp	ported in INVITE			
Test Purpose	header, ensure that		from the own network containing a From nt to the other network and the From header is		
SIP Parameter values	INVITE: From: <[any URI]>; tag=[any value]				
Comments					
Message flows	Mx	SU	JT Ic		
	INVITE	→	→ INVITE		
	Apply post test routine				

TP number	IBCF_103_084	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	From header supporte	ed in 180	
Test Purpose	header, ensure that a	es a 180 Ringing response 180 Ringing response is se eceived from the other netw	from the other network containing a From nt to the own network and the From rork.
SIP Parameter values	180: From: <[any UF	RI]>; tag=[any value]	
Comments			
Message flows	Mx	SUT	lc
_	INVITE	→	→ INVITE
	180 Ringing	←	 180 Ringing
		Apply post test	routine

TP number	IBCF_103_085	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header supporte	d 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a From header, ensure that a 200 OK INVITE response is sent to the own network and the From header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: From	n: <[any URI]>; tag=[any valu	e]		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test r	Ic → INVITE ← 180 Ringing ← 200 OK INVITE outine		

TP number	IBCF_103_086	Reference)	Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header supporte	d in ACK			
Test Purpose	When the IBCF receives an ACK request from the own network containing a From header, ensure that an ACK request is sent to the other network and the From header is present as received from the own network.				
SIP Parameter values	ACK: From: <[any UI	RI]>; tag=[any value]			
Comments					
Message flows	Mx		SUT	lc	
_	INVITE	→	→	INVITE	
	180 Ringing	+	+	180 Ringing	
	200 OK INVITE	+	+	200 OK INVITE	
	ACK	→	→	ACK	
		Apply p	ost test routine		

TP number	IBCF_103_087	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	•			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header supporte	ed in BYE			
Test Purpose		uest is sent to the other netw	wn network containing a From header, ork and the From header is present as		
SIP Parameter values	BYE: From: <[any UI	RI]>; tag=[any value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_088	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header support	ed 200 OK BYE			
Test Purpose	From header, ensure		rom the other network containing a is sent to the own network and the network.		
SIP Parameter values	200 OK BYE: From:	<[any URI]>; tag=[any value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103_089	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND	PICS 7.2.2/19				
Test Purpose name	Geolocation heade	r supported in INVITE				
Test Purpose	Geolocation heade	When the IBCF receives an INVITE request from the own network containing a Geolocation header, ensure that an INVITE request is sent to the other network and the Geolocation header is present as received from the own network.				
SIP Parameter values	INVITE: Geolocation: <sip:[any uri]="">; inserted-by=[any host-ID value]</sip:[any>					
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
	Apply post test routine					

TP number	IBCF_103_090	Reference	Annex A [3]				
TSS reference	Exit_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/19					
Test Purpose name	Geolocation header su	upported in BYE					
Test Purpose		When the IBCF receives a BYE request from the own network containing a Geolocation					
		header, ensure that a BYE request is sent to the other network and the Geolocation header					
		from the own network.					
SIP Parameter values	BYE: Geolocation: <sip:[any uri]="">; inserted-by=[any host-ID value]</sip:[any>						
Comments							
Message flows	Mx	SUT	lc				
_	A session is already established						
	BYE	→	→ BYE				
	Apply post test routine						

TP number	IBCF_103_091	Reference	Annex A [3]				
TSS reference	Exit_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3 AND PICS 7.2	2.2/19					
Test Purpose name	Geolocation-Error header s	supported in 180					
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Geolocation-Error header, ensure that a 180 Ringing response is sent to the own network and the Geolocation-Error header is present as received from the other network.						
SIP Parameter values	180: Geolocation-Error: "	123";[any node ID];insert	er=[any host name]; code="any error"				
Comments							
Message flows	Mx	SUT	lc				
	INVITE	→	→ INVITE				
	180 Ringing	180 Ringing 🗧 🗧 🗧 180 Ringing					
	Apply post test routine						

TP number	IBCF_103_092	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall	•				
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/19				
Test Purpose name	Geolocation-Error hea	ader supported in 200 OK	INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Geolocation-Error header, ensure that a 200 OK INVITE response is sent to the own network and the Geolocation-Error header is present as received from the other network.					
SIP Parameter values			node ID];inserter=[any host name];			
Comments						
Message flows	Mx	SUT	lc			
_	INVITE	→	→ INVITE			
	180 Ringing 🗧 🗧 🗧 🗧					
	200 OK INVITE	÷	← 200 OK INVITE			
	st routine					

TP number	IBCF_103_093	Reference	Annex A [3]					
TSS reference	Exit_Point/scr/bcall	Exit_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/19						
Test Purpose name	Geolocation-Error he	ader supported in BYE						
Test Purpose	Geolocation-Error he	When the IBCF receives a BYE request from the own network containing a Geolocation-Error header, ensure that a BYE request is sent to the other network and the Geolocation-Error header is present as received from the own network.						
SIP Parameter values	200 OK BYE: Geoloc error"	200 OK BYE: Geolocation-Error: "123";[any node ID];inserter=[any host name]; code="any error"						
Comments								
Message flows	Mx	SUT	lc					
	A session is already established							
	BYE	→	→ BYE					
	200 OK BYE	+	← 200 OK BYE					

TP number	IBCF_103_094	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Max-Breadth header not supp	orted in INVITE				
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Max-Breadth header, ensure that an INVITE request is sent to the other network and the Max-Breadth header is not present.					
SIP Parameter values	INVITE 1: Max-Breadth: 10 INVITE 2:					
Comments						
Message flows	Mx INVITE 1 -	SUT →	Ic INVITE 2			
	Apply post test routine					

Exit_Point/scr/bcall PICS 7.1.1/3 Max-Breadth header not When the IBCF receives header, ensure that an A header is not present.	an ACK req	uest from the own		
Max-Breadth header not When the IBCF receives header, ensure that an A	an ACK req	uest from the own		
When the IBCF receives neader, ensure that an A	an ACK req	uest from the own		
neader, ensure that an A				
ACK 1: Max-Breadth:	10			
Mx NVITE 80 Ringing 200 OK INVITE ACK 1	 → ← ← → Apr 	SUT	 → INVITE ← 180 Ringir ← 200 OK IN → ACK 2 	•
	CK 1: Max-Breadth: CK 2: Wx IVITE 80 Ringing 00 OK INVITE	CK 1: Max-Breadth: 10 CK 2: Mx IVITE → 80 Ringing ← 00 OK INVITE ← CK 1 →	CK 1: Max-Breadth: 10 CK 2: Mx SUT IVITE → 80 Ringing ← 00 OK INVITE ← CK 1 →	CK 1: Max-Breadth: 10 CK 2: Mx SUT IVITE → INVITE 80 Ringing ← 180 Ringir 00 OK INVITE ← 200 OK IN

TP number	IBCF_103_096	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Max-Breadth header r	not supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a Max-Breadth header, ensure that a BYE request is sent to the other network and the Max-Breadth header is not present as received from the own network.				
SIP Parameter values	BYE 1:Max-Breadth: 1 BYE 2:	10			
Comments					
Message flows	Мх	SUT	lc		
	A session is already established				
	BYE 1	→	→ BYE 2		
	Apply post test routine				

TP number	IBCF_103_097	Reference	Annex A [3]				
TSS reference	Exit_Point/scr/bc	all					
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Max-Forwards he	Max-Forwards header supported in INVITE					
Test Purpose	Max-Forwards he	When the IBCF receives an INVITE request from the own network containing a Max-Forwards header, ensure that an INVITE request is sent to the other network and the Max-Forwards header is present as received from the own network.					
SIP Parameter values	INVITE: Max-F	orwards: [any value]					
Comments							
Message flows	Mx	SUT	lc				
	INVITE	→					
	Apply post test routine						

TP number	IBCF_103_098	Refere	nce	Annex A [3]		
TSS reference	Exit_Point/scr/bcall			· · · ·		
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Max-Forwards header	supported in AC	K			
Test Purpose	When the IBCF receives an ACK request from the own network containing a Max-Forwards header, ensure that an ACK request is sent to the other network and the Max-Forwards header is present as received from the own network.					
SIP Parameter values	ACK: Max-Forwards:	[any value]				
Comments						
Message flows	Mx		SUT	lc		
_	INVITE	→	→	INVITE		
	180 Ringing	+	+	180 Ringing		
	200 OK INVITE	÷	+	200 OK INVITE		
	ACK	→	→	ACK		
	Apply post test routine					

TP number	IBCF_103_099	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Max-Forwards heade	r supported in BYE				
Test Purpose	When the IBCF receives a BYE request from the own network containing a Max-Forwards header, ensure that a BYE request is sent to the other network and the Max-Forwards header is present as received from the own network.					
SIP Parameter values	BYE: Max-Forwards	: [any value]				
Comments						
Message flows	Mx SUT Ic A session is already established					
	Apply post test routine					

TP number	IBCF_103_100	Reference	Annex A [3]						
TSS reference	Exit_Point/scr/bcall	Exit_Point/scr/bcall							
Selection criteria	PICS 7.2.1/1 AND PICS	7.1.1/3							
Test Purpose name	Min-Expires header supp	ported							
Test Purpose	containing a Min-Expires network, ensure that the	When the IBCF receives a 423 Interval Too Brief response from the other (home) network containing a Min-Expires header upon sent a REGISTER request to the other (home) network, ensure that the 423 Interval Too Brief response is sent to the own (visited) network and the Min-Expires header is present as received from the other network.							
SIP Parameter values	423: Min-Expires: [any value]								
Comments									
Message flows	Mx	SUT	lc						
_	REGISTER	→	→ REGISTER						
	423 Interval Too Brief	←	← 423 Interval Too Brief						

TP number	IBCF_103	3_101	Reference		Annex A [3]	
TSS reference	Exit_Poin	t/scr/bcall				
Selection criteria	PICS 7.1.					
Test Purpose name	Organizat	tion header supporte	ed in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Organization header, ensure that an INVITE request is sent to the other network and the Organization header is present as received from the own network.					
SIP Parameter values	INVITE:	Organization: "ETS	SI-INT"			
Comments						
Message flows		Mx	SUT		lc	
	INVITE	-	>	→	INVITE	
	Apply post test routine					

TP number	IBCF_103_102	Reference		Annex A [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Organization header s	supported in 180		
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Organization header, ensure that a 180 Ringing response is sent to the own network and the Organization header is present as received from the other network.			
SIP Parameter values	180: Organization: "	ETSI-INT"		
Comments				
Message flows	Mx	SU	Т	lc
_	INVITE	→	→	INVITE
	180 Ringing	+	+	180 Ringing
		Apply post	test routine	

TP number	IBCF_103_103	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		· • • •
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Organization header s	supported in 200 OK INVIT	E
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Organization header, ensure that a 200 OK INVITE response is sent to the own network and the Organization header is present as received from the other network.		
SIP Parameter values	200 OK INVITE: Orga	anization: "ETSI-INT"	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post te	Ic → INVITE ← 180 Ringing ← 200 OK INVITE st routine

TP number	IBCF_103_104	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7.2.2/3				
Test Purpose name	The P-Charging-Vector header is supported in 180				
Test Purpose	When the IBCF sends a 180 Ringing response to the own network, ensure that the P-Charging-Vector is present as received from the other network.				
SIP Parameter values	180: P-Charging-Ve	ctor: icid-value; orig-ioi; ter	m-ioi		
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	÷	 180 Ringing 		
		Apply post tes	t routine		

	180 Ringing 200 OK INVITE	*	 ← 180 Ringing ← 200 OK INVITE 	
	INVITE	→		
Message flows	Mx	SUT	lc	
Comments				
SIP Parameter values	200 OK INVITE: P-Charging-Vector: icid-value; orig-ioi; term-ioi			
_	P-Charging-Vector is	P-Charging-Vector is present as received from the other network.		
Test Purpose	When the IBCF sends	When the IBCF sends a 200 OK INVITE response to the own network, ensure that the		
Test Purpose name	The P-Charging-Vector	or header is supported in 20	00 OK INVITE	
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.2/3		
TSS reference	Exit_Point/scr/bcall			
TP number	IBCF_103_105	Reference	Annex A [3]	

TP number	IBCF_103_106	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PI	PICS 7.1.1/3 AND PICS 7.2.2/3			
Test Purpose name	The P-Charging-Vect	or header is not supported	in 180		
Test Purpose	When the IBCF sends a 180 Ringing response to the own network, ensure that the P-Charging-Vector is not present.				
SIP Parameter values	180 1: P-Charging-Ve	ector: icid-value; orig-ioi; te	erm-ioi		
Comments					
Message flows	Mx INVITE 180 Ringing 2	SUT ➔ Apply post te	Ic → INVITE ← 180 Ringing 1 st routine		

IBCF_103_107	Reference	Annex A [3]	
Exit_Point/scr/bcall			
PICS 7.1.1/3 AND PIC	S 7.2.2/3		
The P-Charging-Vector header is supported in 200 OK INVITE			
When the IBCF sends a 200 OK INVITE response to the own network, ensure that the P-Charging-Vector is not present.			
200 OK INVITE 1: F 200 OK INVITE 2:	P-Charging-Vector: icid-value	; orig-ioi; term-ioi	
Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← Apply post test (IC → INVITE ← 180 Ringing ← 200 OK INVITE 1	
	Exit_Point/scr/bcall PICS 7.1.1/3 AND PIC The P-Charging-Vector When the IBCF sends P-Charging-Vector is r 200 OK INVITE 1: F 200 OK INVITE 2: Mx INVITE 180 Ringing	Exit_Point/scr/bcall PICS 7.1.1/3 AND PICS 7.2.2/3 The P-Charging-Vector header is supported in 200 When the IBCF sends a 200 OK INVITE response P-Charging-Vector is not present. 200 OK INVITE 1: P-Charging-Vector: icid-value 200 OK INVITE 2: Mx SUT INVITE → 180 Ringing €	

TP number	IBCF_103_108	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	P-Media-Authorization header not supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a P-Media-Authorization header, ensure that an INVITE request is sent to the other network and the P-Media-Authorization header is not present.			
SIP Parameter values	INVITE 1: P-Media-Authorizat	ion: 001d56ad781f		
Comments	The P-Media-Authorization he	ader is combined with the reso	urece reservation procedure	
Message flows	Mx	SUT	lc	
	INVITE 1	→	INVITE 2	
	Apply post test routine			

TP number	IBCF_103_109	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		· • • •
Selection criteria	PICS 7.1.1/3		
Test Purpose name	P-Media-Authorization hea	der not supported in 183	5
Test Purpose	When the IBCF receives a 183 Session Progress response from the other network containing a P-Media-Authorization header, ensure that a 183 Session Progress response is sent to the own network and the P-Media-Authorization header is not present.		
SIP Parameter values	183 1: P-Media-Authorization: 001d56ad781f		
Comments	The P-Media-Authorization	header is combined with	n the resourece reservation procedure
Message flows	Mx	SUT	lc
_	INVITE 1	→	→ INVITE 2
	183 Session Progress 2	+	 183 Session Progress 1
	Apply post test routine		

TP number	IBCF_103_110	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall	·		
Selection criteria	PICS 7.1.1/3			
Test Purpose name	P-Media-Authorization hea	ader not supported in 200	O OK INVITE	
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a P-Media-Authorization header, ensure that a 200 OK INVITE response is sent to the own network and the P-Media-Authorization header is not present.			
SIP Parameter values	200 OK INVITE 1: P-Me 200 OK INVITE 2:	edia-Authorization: 001d	56ad781f	
Comments	The P-Media-Authorization	n header is combined wit	h the resourece reservation procedure	
Message flows	Mx INVITE 1 183 Session Progress	SUT → ←	Ic → INVITE 2 ← 183 Session Progress	
	200 OK INVITE 2 Apply post test routine 200 OK INVITE 1			

TP number	IBCF_103_111	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	P-Preferred-Identity header no	t supported in INVITE	
Test Purpose	When the IBCF receives an INVITE request from the own network containing a P-Preferred-Identity header, ensure that an INVITE request is sent to the other network and the P-Preferred-Identity header is not present.		
SIP Parameter values	INVITE 1: P-Preferred-Identity INVITE 2:	: <[any URI]>	
Comments			
Message flows	Mx INVITE 1 →	SUT → Apply post test routine	IC INVITE 2

TP number	IBCF_103_112	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·	· •		
Selection criteria	PICS 7.1.1/3	PICS 7.1.1/3			
Test Purpose name	P-Preferred-Identity header not supported in 180				
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a P-Preferred-Identity header, ensure that a 180 Ringing response is sent to the own network and the P-Preferred-Identity header is not present.				
SIP Parameter values	180 1: P-Preferred-Identity: <[any URI]> 180 2:				
Comments					
Message flows	Mx	SUT	lc		
	INVITE 1 180 Ringing 2	→ ←	 → INVITE 2 ← 180 Ringing 1 		
		Apply post test	routine		

IBCF_103_113	Reference	Annex A [3]	
Exit_Point/scr/bcall		· · · · · · · · · · · · · · · · · · ·	
PICS 7.1.1/3			
P-Preferred-Identity he	ader not supported in 200 O	K INVITE	
When the IBCF receives a 200 OK INVITE response from the other network containing a P-Preferred-Identity header, ensure that a 200 OK INVITE response is sent to the own network and the P-Preferred-Identity header is not present			
Mx INVITE 1 180 Ringing 200 OK INVITE 2	SUT → ← ←	IC → INVITE 2 ← 180 Ringing ← 200 OK INVITE 1	
	Exit_Point/scr/bcall PICS 7.1.1/3 P-Preferred-Identity he When the IBCF receive P-Preferred-Identity he network and the P-Pref 200 OK INVITE 1: P- 200 OK INVITE 2: Mx INVITE 1 180 Ringing	Exit_Point/scr/bcall PICS 7.1.1/3 P-Preferred-Identity header not supported in 200 O When the IBCF receives a 200 OK INVITE respons P-Preferred-Identity header, ensure that a 200 OK network and the P-Preferred-Identity header is not 200 OK INVITE 1: P-Preferred-Identity: <[any UF 200 OK INVITE 2: Mx SUT INVITE 1 → 180 Ringing €	

TP number	IBCF_103_114	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall	·	· •
Selection criteria	PICS 7.1.1/3		
Test Purpose name	P-Preferred-Service h	eader not supported in INV	ITE
Test Purpose	P-Preferred-Service h		the own network containing a E request is sent to the other network t.
SIP Parameter values	INVITE 1: P-Preferred	d-Service: urn:urn-7:3gpp-se	rvice.exampletelephony.version1
Comments			
Message flows	Mx INVITE 1	SUT → Apply post test	IC → INVITE 2 routine

TP number	IBCF_103_1	15	Reference	Annex A	[3]	
TSS reference	Exit_Point/sc	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/14					
Test Purpose name	P-User-Database header supported in INVITE					
Test Purpose	When the IBCF receives an INVITE request from the own network containing a P-User-Database header, ensure that an INVITE request is sent to the other network and the P-User-Database header is present as received from the own network.					
SIP Parameter values	INVITE: P-User-Database: <[any DiameterURI]>					
Comments						
Message flows	N	Ix	SUT		lc	
	INVITE	→		→ INVITE		
	Apply post test routine					

TP number	IBCF_103_116	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PIC	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.2/14				
Test Purpose name	P-User-Database hea	P-User-Database header supported in REGISTER				
Test Purpose	P-User-Database hea		n the own network containing a R request is sent to the other network ved from the own network.			
SIP Parameter values	REGISTER: P-User-	Database: <[any DiameterUR	RI]>			
Comments						
Message flows	Mx	SUT	lc			
	REGISTER	→	→ REGISTER			
		Apply post test r	outine			

TP number	IBCF_103_117	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND F	PICS 7.2.1/1 AND PICS 7.2.2/	(15		
Test Purpose name	P-Visited-Network-ID header supported in INVITE				
Test Purpose	P-Visited-Network-I	D-Service header, ensure tha	the own network containing a t an INVITE request is sent to the other present as received from the own network.		
SIP Parameter values	INVITE: P-Visited	I-Network-ID: "Visited network	number 1"		
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	Apply post test routine				

TP number	IBCF_103_118	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PIC	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.2/15				
Test Purpose name	P-Visited-Network-ID header supported in REGISTER					
Test Purpose	When the IBCF receives a REGISTER request from the own network containing a P-Visited-Network-ID header, ensure that a REGISTER request is sent to the other network and the P-Visited-Network-ID header is present as received from the own network.					
SIP Parameter values	REGISTER: P-Visited	d-Network-ID: "Visited netw	ork number 1"			
Comments						
Message flows	Mx	SUT	lc			
_	REGISTER	→	→ REGISTER			
		Apply post test	routine			

CF receives an INV	ot supported in INVI VITE request from th ensure that an INVIT	ne own network co E request is sent t		
twork-ID header no CF receives an INV	ot supported in INVI VITE request from th ensure that an INVIT	ne own network co E request is sent t		
CF receives an INV	VITE request from the ensure that an INVIT	ne own network co E request is sent t		
	ensure that an INVIT	E request is sent		
When the IBCF receives an INVITE request from the own network containing a P-Visited-Network-ID header, ensure that an INVITE request is sent to the other network and the P-Visited-Network-ID header is not present.				
Visited-Network-ID	D: "Visited network n	umber 1"		
Лх	SUT		IC ≣ 2	
N	Mx →	→		

TP number	IBCF_103	3_120	Refer	rence		Annex A [3]	
TSS reference	Exit_Poin	t/scr/bcall	•				
Selection criteria	PICS 7.1.	PICS 7.1.1/3					
Test Purpose name	Proxy-Re	Proxy-Require header supported in INVITE					
Test Purpose	Proxy-Re	When the IBCF receives an INVITE request from the own network containing a Proxy-Require header, ensure that an INVITE request is sent to the other network and the Proxy-Require header is present as received from the own network.					
SIP Parameter values	INVITE:	Proxy-Requi	re: etsi-int13				
Comments							
Message flows		Mx		SUT		lc	
_	INVITE		→		→	INVITE	
	Apply post test routine						

IBCF_103_121	Reference	Annex A [3]
Exit_Point/scr/bcall		
PICS 7.1.1/3		
Proxy-Require header	r supported in ACK	
header, ensure that a	n ACK request is sent to the	other network and the Proxy-Require
ACK: Proxy-Require	: etsi-int13	
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT → ← ← → Apply post test	IC → INVITE ← 180 Ringing ← 200 OK INVITE → ACK routine
	Exit_Point/scr/bcall PICS 7.1.1/3 Proxy-Require header When the IBCF receiv header, ensure that a header is present as r ACK: Proxy-Require Mx INVITE 180 Ringing 200 OK INVITE	Exit_Point/scr/bcall PICS 7.1.1/3 Proxy-Require header supported in ACK When the IBCF receives an ACK request from the header, ensure that an ACK request is sent to the header is present as received from the own network ACK: Proxy-Require: etsi-int13 Mx SUT INVITE → 180 Ringing ← 200 OK INVITE ← ACK →

TP number	IBCF_103_122	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Proxy-Require header supported in BYE				
Test Purpose	When the IBCF receives an BYE request from the own network containing a Proxy-Require header, ensure that an BYE request is sent to the other network and the Proxy-Require header is present as received from the own network				
SIP Parameter values	BYE: Proxy-Require: etsi-int13				
Comments					
Message flows	Mx	SUT	lc		
		A session is already	established		
	BYE	→	→ BYE		
		Apply post test i	outine		

TP number	IBCF_103_12	23	Reference		Annex A [3]
TSS reference	Exit_Point/sc	/bcall			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1				
Test Purpose name	Proxy-Require header supported in REGISTER				
Test Purpose	Proxy-Requir	e header, ensure t		uest is s	network containing a ent to the other network and n network.
SIP Parameter values	REGISTER:	Proxy-Require: e	tsi-int13		
Comments					
Message flows	M	х	SUT		lc
-	REGISTER	→		→	REGISTER
			Apply post test ro	outine	

TP number	IBCF_103_124	Reference)	Annex A [3]		
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND F	PICS 7.1.1/3 AND PICS 7.2.2/18				
Test Purpose name	Reject-Contact hea	Reject-Contact header supported in INVITE				
Test Purpose	Reject-Contact hea	eives an INVITE reque der, ensure that an INV der is present as receiv	/ITE request is se	ent to the other network and the		
SIP Parameter values	INVITE: Reject-C	ontact: *;actor="msg-ta	iker";video			
Comments						
Message flows	Mx		SUT	lc		
-	INVITE	→	→	INVITE		
		Apply po	ost test routine			

TP number	IBCF_103_125	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/18	
Test Purpose name	Reject-Contact heade	r supported in ACK	
Test Purpose	Reject-Contact heade		e own network containing a lest is sent to the other network and the m the own network.
SIP Parameter values	ACK: Reject-Contac	t: *;actor="msg-taker";video)
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT + + + Apply post tes	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK st routine

TP number	IBCF_103_126	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PI	ICS 7.2.2/18			
Test Purpose name	Reject-Contact head	er supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a Reject-Contact header, ensure that a BYE request is sent to the other network and the Reject-Contact header is present as received from the own network.				
SIP Parameter values	BYE: Reject-Contac	ct: *;actor="msg-taker";video			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_127	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/	8			
Test Purpose name	Request-Disposition header su	pported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Request-Disposition header, ensure that an INVITE request is sent to the other network and the Request-Disposition header is present as received from the own network.				
SIP Parameter values	INVITE: Request-Disposition: no-fork				
Comments					
Message flows	Mx	SUT	lc		
	INVITE ->	+	INVITE		
	Apply post test routine				

TP number	IBCF_103_128	Referenc	9	Annex A [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/18		
Test Purpose name	Request-Disposition h	neader supported in	ACK	
Test Purpose	When the IBCF receiv Request-Disposition h the Request-Disposition	header, ensure that	an ACK request is	sent to the other network and
SIP Parameter values	ACK: Request-Dispo	sition: no-fork		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	→ ← ← →	SUT ← ← → ost test routine	IC INVITE 180 Ringing 200 OK INVITE ACK
		Арріу р	USI IESI IOULINE	

TP number	IBCF_103_129	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·	· •		
Selection criteria	PICS 7.1.1/3 AND PICS	5 7.2.2/18			
Test Purpose name	Request-Disposition he	ader supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a Request-Disposition header, ensure that a BYE request is sent to the other network and the Request-Disposition header is present as received from the own network.				
SIP Parameter values	BYE: Request-Dispos	ition: no-fork			
Comments					
Message flows	Mx	SUT	lc		
-		A session is already e	stablished		
	BYE	→	→ BYE		
		Apply post test ro	outine		

TP number	IBCF_103_*	130	Reference		Annex A [3]	
TSS reference	Exit_Point/s	cr/bcall				
Selection criteria	PICS 7.1.1/3	3				
Test Purpose name	Require hea	ader supported in	n INVITE			
Test Purpose	header, ens	ure that an INVI			twork containing a Require etwork and the Require heade	er
SIP Parameter values	INVITE: R	Require: 100rel				
Comments						
Message flows		Mx	SUT		lc	
	INVITE		→	→	INVITE	
	Apply post test routine					

TP number	IBCF_103_131	Reference	Annex A	. [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Require header suppo	orted in 180		
Test Purpose	Require header, ensu	ves a 180 Ringing respons re that a 180 Ringing resp sent as received from the	onse is sent to the own	
SIP Parameter values	180: Require: 100re)		
Comments				
Message flows	Mx	SUT		lc
	INVITE	→	→ INVITE	
	180 Ringing	←	🗲 180 Ring	ging
	Apply post test routine			

TP number	IBCF_103_132	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header suppo	orted in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Require header, ensure that a 200 OK INVITE response is sent to the own network and the Require header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Req	uire: timer			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine		

TP number	IBCF_103_133	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall	·	· • •
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Require header suppo	rted in ACK	
Test Purpose		ACK request is sent to the	e own network containing a Require e other network and the Require header is
SIP Parameter values	ACK: Require: 100rel		
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT + + + Apply post tes	INVITE ← 180 Ringing ← 200 OK INVITE → ACK

TP number	IBCF_103_134	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Require header suppo	orted in BYE		
Test Purpose	header, ensure that a		ne own network containing a Require ne other network and the Require header	
SIP Parameter values	BYE: Require: timer			
Comments				
Message flows	Mx	SUT	lc	
		A session is already	established	
	BYE	→	→ BYE	
	Apply post test routine			

TP number	IBCF_103_135	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header supp	orted in 200 OK BYE			
Test Purpose	Require header, ensu		rom the other network containing a se is sent to the own network and the er network.		
SIP Parameter values	200 OK BYE: Require	e: timer			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103_136	Refe	rence	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1			
Test Purpose name	Security-Client heade	er not supported	I in REGISTER		
Test Purpose	When the IBCF receives a REGISTER request from the own (visited) network containing a Security-Client header, ensure that an REGISTER request is sent to the other (home) network and the Security-Client header is not present.				
SIP Parameter values	REGISTER 1: Security-Client: tls				
Comments	REGISTER 2:				
Message flows	Mx REGISTER 1	→	SUT	Ic → REGISTER 2	
		Ар	ply post test ro	utine	

TP number	IBCF_103_137	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·	· • •		
Selection criteria	PICS 7.1.1/3 AND PICS 7	.2.1/1			
Test Purpose name	Security-Server header no	t supported in 200 OK RE	GISTER		
Test Purpose	When the IBCF receives a 200 OK REGISTER response from the other (home) network containing a Security-Server header, ensure that a 200 OK REGISTER response is sent to the own (visited) network and the Security-Server header is not present.				
SIP Parameter values	200 OK 1: Security-Server: tls;q=0.2 200 OK 2:				
Comments					
Message flows	Mx	SUT	lc		
	REGISTER → REGISTER 200 OK REGISTER 2 ← ← Apply post test routine 200 OK REGISTER 1				

TP number	IBCF_103_138	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1	(1			
Test Purpose name	Security-Verify header not sup	ported			
Test Purpose	When the IBCF receives an INVITE request from the own (visited) network containing a Security-Verify header, ensure that an INVITE request is sent to the other (home) network and the Security-Verify header is not present.				
SIP Parameter values	INVITE 1: Security-Verify: tls; INVITE 2:	q=0.2			
Comments					
Message flows	Mx INVITE 1 -	SUT	IC INVITE 2		
		Apply post test routine			

TP number	IBCF_103_139	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bca	II				
Selection criteria	PICS 7.1.1/3 AND	PICS 7.2.2/16				
Test Purpose name	Session-Expires h	eader supported in INVITE				
Test Purpose	Session-Expires h	When the IBCF receives an INVITE request from the own network containing a Session-Expires header, ensure that an INVITE request is sent to the other network and the Session-Expires header is present as received from the own network.				
SIP Parameter values	INVITE: Sessior	INVITE: Session-Expires:				
Comments						
Message flows	Mx	SUT	lc			
-	INVITE	→	→ INVITE			
	Apply post test routine					

TP number	IBCF_103_140	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/16		
Test Purpose name	Session-Expires head	er supported in 200 OK INVI	TE	
Test Purpose	When the IBCF receives a 200 OK INVITE request from the other network containing a Session-Expires header, ensure that a 200 OK INVITE request is sent to the own network and the Session-Expires header is present as received from the other network.			
SIP Parameter values	200 OK INVITE: Sess	sion-Expires: [any value]		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine	

TP number	IBCF_103_141	Ref	erence	Annex A [3]		
TSS reference	Exit_Point/scr/b	ocall				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Supported hear	der supported in INV	ITE			
Test Purpose	header, ensure	When the IBCF receives an INVITE request from the own network containing a Supported header, ensure that an INVITE request is sent to the other network and the Supported header is present as received from the own network.				
SIP Parameter values	INVITE: Sup	INVITE: Supported: 100rel				
Comments						
Message flows	Mx		SUT	lc		
_	INVITE	→		→ INVITE		
	Apply post test routine					

TP number	IBCF_103_142	Reference		Annex A [3]
TSS reference	Exit_Point/scr/bcall			· • • •
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Supported header sup	oported in 200 OK INVI	TE	
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Supported header, ensure that a 200 OK INVITE response is sent to the own network and the Supported header is present as received from the other network.			
SIP Parameter values	200 OK INVITE: Sup	ported: timer		
Comments				
Message flows	Mx INVITE	SU ➔	лт →	Ic INVITE
	180 Ringing 200 OK INVITE	~	+ +	180 Ringing 200 OK INVITE
	Apply post test routine			

TP number	IBCF_103_143	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Supported header supp	ported in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a Supported header, ensure that a BYE request is sent to the other network and the Supported header is present as received from the own network.				
SIP Parameter values	BYE: Supported: time	er			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_144	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Supported header su	pported in 200 OK BYE		
Test Purpose	Supported header, er		om the other network containing a onse is sent to the own network and the ther network.	
SIP Parameter values	200 OK BYE: Suppor	rted: timer		
Comments				
Message flows	Mx	SUT	lc	
_	A session is already established			
	BYE	→	→ BYE	
	200 OK BYE	+	← 200 OK BYE	

TP number	IBCF_103_145	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bo	call				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Timestamp head	der supported in INVITE				
Test Purpose	header, ensure t	When the IBCF receives an INVITE request from the own network containing a Timestamp header, ensure that an INVITE request is sent to the other network and the Timestamp header is present as received from the own network.				
SIP Parameter values	INVITE: Times	INVITE: Timestamp: [any value]				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→				
		Apply post test routine				

TP number	IBCF_103_146	Reference		Annex A [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Timestamp header sup	oported in 180		
Test Purpose	When the IBCF receive Timestamp header, en Timestamp header is p	sure that a 180 Ringi	ng response is s	ther network containing a ent to the own network and the work.
SIP Parameter values	180: Timestamp: [ar	y value]		
Comments				
Message flows	Mx	S	UT	lc
_	INVITE	→	→	INVITE
	180 Ringing	+	+	180 Ringing
	Apply post test routine			

TP number	IBCF_103_147	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Timestamp header s	supported in 200 OK INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Timestamp header, ensure that a 200 OK INVITE response is sent to the own network and the Timestamp header is present as received from the other network.			
SIP Parameter values	200 OK INVITE: Tir	mestamp: [any value]		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ➔ Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine	

TP number	IBCF_103_148	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header supported	in ACK			
Test Purpose	When the IBCF receives an ACK request from the own network containing a Timestamp header, ensure that an ACK request is sent to the other network and the Timestamp header is present as received from the own network.				
SIP Parameter values	ACK: Timestamp: [any value]]			
Comments		-			
Message flows	Mx	SUT	lc		
	INVITE -	→	INVITE		
	180 Ringing	- +	180 Ringing		
	200 OK INVITE	- +	200 OK INVITE		
	→	→	ACK		
	Apply post test routine				

TP number	IBCF_103_149	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header su	oported in BYE			
Test Purpose	header, ensure that ar		ne own network containing a Timestamp e other network and the Timestamp k.		
SIP Parameter values	BYE: Timestamp: [ar	iy value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_150	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header su	Timestamp header supported in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing a Timestamp header, ensure that a 200 OK BYE response is sent to the own network and the Timestamp header is present as received from the other network.				
SIP Parameter values	200 OK BYE: Timestamp: [any value]				
Comments					
Message flows	Mx	SUT	lc		
		A session is already established			
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103	3_151	Reference	Annex A [3]
TSS reference	Exit_Poin	t/scr/bcall		
Selection criteria	PICS 7.1.	1/3		
Test Purpose name	To heade	r supported in INVITE		
Test Purpose	ensure that		is sent to the other networ	n network containing a To header, k and the To header is present as
SIP Parameter values	INVITE:	To: <[any URI]>; tag	=[any value]	
Comments				
Message flows		Mx	SUT	lc
	INVITE	→		→ INVITE
	Apply post test routine			

TP number	IBCF_103_152	Reference		Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	To header supported	in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a To header, ensure that a 180 Ringing response is sent to the own network and the To header is present as received from the other network.				
SIP Parameter values	180: To: <[any URI]	>; tag=[any value]			
Comments					
Message flows	Mx INVITE 180 Ringing	→ ←	SUT → ← st test routine	Ic INVITE 180 Ringing	

TP number	IBCF_103_153	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	To header supported i	in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a To header, ensure that a 200 OK INVITE response is sent to the own network and the To header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: To:	<[any URI]>; tag=[any value	9]		
Comments			•		
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post tes	IC → INVITE ← 180 Ringing ← 200 OK INVITE t routine		

sure that an ACK reques reived from the own netw	n ACK request from the over st is sent to the other netw work.	wn network containing a To header, vork and the To header is present as
header supported in AC nen the IBCF receives ar sure that an ACK reques reived from the own network	n ACK request from the over st is sent to the other netw work.	
nen the IBCF receives ar sure that an ACK reques reived from the own netw	n ACK request from the over st is sent to the other netw work.	
sure that an ACK reques reived from the own netw	st is sent to the other netw work.	
K. To: (onv LIPI). too		
K: To: <[any URI]>; tag	y=lany value	
Mx /ITE) Ringing) OK INVITE K	SUT + + + + +	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK
	/ITE) Ringing) OK INVITE	/ITE → O Ringing ← O OK INVITE ←

TP number	IBCF_103_155	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	To header supported in	n BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing a To header, ensure that a BYE request is sent to the other network and the To header is present as received from the own network.				
SIP Parameter values	BYE: To: <[any URI]>; tag=[any value]				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_156	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	To header supported	in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing a To header, ensure that a 200 OK BYE response is sent to the own network and the To header is present as received from the other network.				
SIP Parameter values	200 OK BYE: To: <[a	200 OK BYE: To: <[any URI]>; tag=[any value]			
Comments					
Message flows	Mx	SUT	lc		
		A session is already established			
	BYE	→	→ BYE		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF_103_157	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND P	PICS 7.2.2/20				
Test Purpose name	Trigger-Consent hea	Trigger-Consent header supported				
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Trigger-Consent header, ensure that an INVITE request is sent to the other network and the Trigger-Consent header is present as received from the own network.					
SIP Parameter values	INVITE: Trigger-C	consent:				
Comments						
Message flows	Мх	SUT	lc			
	INVITE	→	→ INVITE			
	Apply post test routine					

TP number	IBCF_103_158	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		· · · · ·
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Unsupported header su	pported	
Test Purpose	Unsupported header, er	nsure that a 420 Bad Exte	sponse from the own network containing a ension response is sent to the other as received from the own network.
SIP Parameter values	420: Unsupported: ets	si-int13	
Comments			
Message flows	Mx INVITE 420 Bad Extension ACK	SUT + + + Apply post tos	IC → INVITE ← 420 Bad Extension → ACK
		Apply post tes	troutine

TP number	IBCF_103_159	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3	PICS 7.1.1/3				
Test Purpose name	User-Agent header supported i	n INVITE				
Test Purpose	When the IBCF receives an IN header, ensure that an INVITE header is present as received f	request is sent to the other ne	work containing a User-Agent twork and the User-Agent			
SIP Parameter values	INVITE: User-Agent: ETSI so	ft client v1				
Comments						
Message flows	Mx	SUT	lc			
	INVITE ->	→	INVITE			
	Apply post test routine					

TP number	IBCF_103_160	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	User-Agent header su	pported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a User-Agent header, ensure that a 180 Ringing response is sent to the own network and the User-Agent header is present as received from the other network.				
SIP Parameter values	180: User-Agent: ET	SI soft client v1			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	←	 180 Ringing 		
	Apply post test routine				

TP number	IBCF_103_161	Reference		Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	User-Agent header su	pported in 200 OK INVI	TE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a User-Agent header, ensure that a 200 OK INVITE response is sent to the own network and the User-Agent header is present as received from the other network.				
SIP Parameter values	200 OK INVITE: Use	r-Agent: ETSI soft client	t v1		
Comments					
Message flows	Mx	SU	Т	lc	
	INVITE	→	→	INVITE	
	180 Ringing \leftarrow 180 Ringing				
	200 OK INVITE	+	+	200 OK INVITE	
		Apply post	test routine		

TP number	IBCF_103_162	Reference	e	Annex A [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	User-Agent header sup	ported in ACK		
Test Purpose	When the IBCF receives an ACK request from the own network containing a User-Agent header, ensure that an ACK request is sent to the other network and the User-Agent header is present as received from the own network.			
SIP Parameter values	ACK: User-Agent: ETS			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2 ACK	→ ← ← →	SUT → ← → post test routine	IC INVITE 180 Ringing 200 OK INVITE 1 ACK
		Арріу р	ost test routine	

TP number	IBCF_103_163	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	User-Agent header sur	pported in BYE		
Test Purpose		BYE request is sent to the ot	wn network containing a User-Agent ther network and the User-Agent header	
SIP Parameter values	BYE: User-Agent: ETSI soft client v1			
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	→	→ BYE	
	Apply post test routine			

TP number	IBCF_103_164	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	User-Agent header si	upported in 200 OK BYE	
Test Purpose	User-Agent header, e		rom the other network containing a ponse is sent to the own network and the other network.
SIP Parameter values	200 OK BYE: User-Agent: ETSI soft client v1		
Comments			
Message flows	Mx	SUT	lc
_		A session is already e	established
	BYE	→	→ BYE
	200 OK BYE	+	← 200 OK BYE

TP number	IBCF_103_165	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	<u>.</u>	· •		
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.2/17			
Test Purpose name	User-to-User header su	User-to-User header supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a User-to-User header, ensure that an INVITE request is sent to the other network and the User-to-User header is present as received from the own network.				
SIP Parameter values	INVITE: User-to-User: 504554534920494E54;encoding=hex				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	+	 180 Ringing 		
	200 OK INVITE 2	+	 200 OK INVITE 1 		
		Apply post test r	outine		

TP number	IBCF_103_166	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/17		
Test Purpose name	User-to-User header s	supported in 180		
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a User-to-User header, ensure that a 180 Ringing response is sent to the own network and			
	the User-to-User header is present as received from the other network.			
SIP Parameter values	180: User-to-User: 504554534920494E54;encoding=hex			
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→		
	180 Ringing	+	 180 Ringing 	
	Apply post test routine			

TP number	IBCF_103_167	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/17	
Test Purpose name	User-to-User header s	supported in 200 OK INVITE	
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a User-to-User header, ensure that a 200 OK INVITE response is sent to the own network and the User-to-User header is present as received from the other network.		
SIP Parameter values	200 OK INVITE: Use	r-to-User: 50455453492049	4E54;encoding=hex
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test	IC → INVITE ← 180 Ringing ← 200 OK INVITE routine

TP number	IBCF_103_168	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/17	
Test Purpose name	User-to-User header s	supported in BYE	
Test Purpose	When the IBCF receives a BYE request from the own network containing a User-to-User header, ensure that a BYE request is sent to the other network and the User-to-User header is present as received from the own network.		
SIP Parameter values	BYE: User-to-User: 504554534920494E54;encoding=hex		
Comments			
Message flows	Mx	SUT	lc
	A session is already established		
	BYE	→	→ BYE
		Apply post test r	outine

	BYE	A session is already e	stablished → BYF	
Message flows	Mx	SUT	lc	
Comments				
SIP Parameter values	200 OK BYE: User-to-User: 504554534920494E54;encoding=hex			
	the User-to-User header is present as received from the other network.			
	User-to-User header, ensure that a 200 OK BYE response is sent to the own network an			
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing a			
Test Purpose name	User-to-User header s	upported in 200 OK BYE		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/17		
TSS reference	Exit_Point/scr/bcall			
TP number	IBCF_103_169	Reference	Annex A [3]	

6.1.3.2.1 Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR)

TP number	IBCF_104_001	Reference	4.4.2, 5.10.6 [1],	
			5 [16]	
TSS reference	Exit_Point/scr/ss/oip-oir			
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.2	.3/1	
Test Purpose name	The IBCF leaves the P-A	sserted-Identity header field	d set to the public user identity and	
	Privacy id in the request for outgoing requests			
Test Purpose	When an IBCF receives	an initial SIP INVITE reques	st from within its own network and a	
-	P-Asserted-Identity and	a Privacy header value 'id' is	s present, it leaves the	
	P-Asserted-Identity header fields in the SIP requests if the other network is trusted.			
SIP Parameter values	INVITE 1: P-Asserted-Id	entity <uri></uri>		
	Privacy: id			
	INVITE 2: P-Asserted-Id	entity <uri></uri>		
Comments	Privacy: id			
	Madem	CUIT	le.	
Message flows	Mx/Gm	SUT	lc	
	INVITE 1	→	→ INVITE 2	
		Apply post test ro	outine	

TP number	IBCF_104_002	Reference	4.4.2, 5.10.6 [1],
			5 [16]
TSS reference	Exit_Point/scr/ss/oip-o	ir	
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.2	2.3/1
Test Purpose name			ld set to the public user identity and no
		request for outgoing requests	
Test Purpose			st from within its own network and a
	P-Asserted-Identity and no Privacy header is present, it leaves the P-Asserted-Identity		
	header fields in the SI	P requests if the other network	k is trusted.
SIP Parameter values			
	INVITE 2: P-Asserted-	Identity <uri></uri>	
Comments			
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
		Apply post test re	outine

TP number	IBCF_104_003	Reference	4.4.2, 5.10.6 [1],
700 (5 [16]
TSS reference	Exit_Point/scr/ss/oip-oir		
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.1/2 AND PICS 7.	2.3/1
Test Purpose name	The IBCF removes the Privacy id from the requ		eader field set to the public user identity and
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Asserted-Identity and a Privacy header value 'id' is present, it removes the P-Asserted-Identity header fields from the SIP requests if the other network is untrusted.		
SIP Parameter values	INVITE 1: P-Asserted-Identity <uri> Privacy: id</uri>		
Comments			
Message flows	Mx	SU	T Ic
_	INVITE 1	→	→ INVITE 2
	100 Trying	←	
Apply post test routine			test routine

TP number	IBCF_104_004	Reference	4.4.2, 5.10.6 [1], 5 [16]
TSS reference	Exit Point/scr/ss/oip-o	ir	[5[10]
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/2 AND PICS 7.2.3/1		
Test Purpose name		P-Asserted-Identity header fie	eld set to the public user identity from the
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a P-Asserted-Identity and no Privacy header is present , the IBCF leaves the received P-Asserted-Identity header field.		
SIP Parameter values	INVITE 1: P-Asserted- INVITE 2: P-Asserted-		
Comments			
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
	100 Trying	← Apply post test	routine

6.1.3.2.2 Terminating Identification Presentation (TIP) and Terminating Presentation Restriction (TIR)

TP number	IBCF_105_001	Reference	4.4.2, 5.10.6 [1],
			5 [16],
			7.2.2 [17]
TSS reference	Exit_Point/scr/ss/tip-tir		
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.2	2.3/2
Test Purpose name	The P-Asserted-Identity	is passed in the 180 respor	ise
Test Purpose	When an IBCF receives	s a 180 Ringing provisional re	esponse from a trusted network upon
	sent an initial INVITE re	equest and there is a P-Asse	rted-Identity header field present and
	no Privacy header is pr	esent, the IBCF it leaves the	P-Asserted-Identity header fields in the
	SIP response.		-
SIP Parameter values	180 1: P-Asserted-Iden	tity	
	180 2: P-Asserted-Iden	itity	
Comments			
Message flows	Mx	SUT	lc
-	INVITE	→	→ INVITE
	180 Ringing 2	+	 180 Ringing 1
		Apply post test re	outine

IBCF_105_002	Reference	4.4.2, 5.10.6 [1],
		5 [16],
		7.2.2 [17]
Exit_Point/scr/ss/tip-tir		
PICS 7.1.1/3 AND NOT	FPICS 7.2.1/2 AND PICS 7.	2.3/2
The P-Asserted-Identity	y is passed in the 200 OK re	sponse
When an IBCF receives a 200 OK INVITE final response from a trusted network upon sent an initial INVITE request and there is a P-Asserted-Identity header field present and no Privacy header is present, the IBCF it leaves the P-Asserted-Identity header fields in the SIP response.		
	,	
	•	
Mx INVITE 180 Ringing 200 OK INVITE 2 ACK	SUT → ← → Apply post test r	INVITE ← 180 Ringing ← 200 OK INVITE 1 → ACK
	Exit_Point/scr/ss/tip-tir PICS 7.1.1/3 AND NOT The P-Asserted-Identity When an IBCF receive: an initial INVITE reques Privacy header is prese SIP response. 200 1: P-Asserted-Ider 200 2: P-Asserted-Ider Mx INVITE 180 Ringing 200 OK INVITE 2	Exit_Point/scr/ss/tip-tir PICS 7.1.1/3 AND NOT PICS 7.2.1/2 AND PICS 7. The P-Asserted-Identity is passed in the 200 OK re When an IBCF receives a 200 OK INVITE final resp an initial INVITE request and there is a P-Asserted Privacy header is present, the IBCF it leaves the P-SIP response. 200 1: P-Asserted-Identity 200 2: P-Asserted-Identity INVITE → 180 Ringing € 200 OK INVITE 2 €

TP number	IBCF_105_003	Reference	4.4.2, 5.10.6 [1],
			5 [16],
			7.2.2 [17]
TSS reference	Exit_Point/scr/ss/tip-tir		
Selection criteria	PICS 7.1.1/3 AND PICS 7	.2.1/2 AND PICS 7.2.3/2	2
Test Purpose name	The P-Asserted-Identity is		
Test Purpose	When an IBCF receives a 180 Ringing provisional response from an untrusted network upon sent an initial INVITE request and there is a P-Asserted-Identity header field present and no Privacy header is present , the IBCF replaces the header field with a single SIP or SIPS or tel URI or remove the received P-Asserted-Identity header field from the response.		
SIP Parameter values	180 1: P-Asserted-Identity 180 2: P-Asserted-Identity no P-Asserted-Ider	/ / <single or="" sip,="" sips="" te<="" th=""><th>· · ·</th></single>	· · ·
Comments			
Message flows	Mx	SUT	lc
_	INVITE	→	→ INVITE
	180 Ringing 2	÷	 180 Ringing 1
	Apply post test routine		

TP number	IRCE 105 004	Reference	4 4 2 5 10 6 [1]	
ir number	IBCF_105_004	Reference	4.4.2, 5.10.6 [1],	
			5 [16],	
			7.2.2 [17]	
TSS reference	Exit_Point/scr/ss/tip-tir			
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.1/2 AND PICS 7.2.3/2		
Test Purpose name	The P-Asserted-Identity	is replaced or omitted in the	200 OK response	
Test Purpose	When an IBCF receives	a 200 OK INVITE final respo	onse from an untrusted network upon	
	sent an initial INVITE re	quest and there is a P-Assert	ted-Identity header field present and	
	no Privacy header is p	resent, the IBCF replaces th	e header field with a single SIP or	
	SIPS or tel URI or remo	ve the received P-Asserted-lo	dentity header field from the response.	
SIP Parameter values	200 1: P-Asserted-Ident	ity	· · · · · · · · · · · · · · · · · · ·	
	200 2: P-Asserted-Identity <single or="" sip,="" sips="" tel="" uri=""> or</single>			
	no P-Asserted-Id	entity present		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→	→ INVITE	
	180 Ringing	+	 180 Ringing 	
	200 OK INVITE 2	+	← 200 OK INVITE 1	
	ACK	→	→ ACK	
		Apply post test ro		
L			uuno	

IBCF_105_005	Reference	12 [2]	
Exit_Point/scr/ss/tip-tir	· · · · · · · · · · · · · · · · · · ·	· · · ·	
PICS 7.1.1/3 AND PICS 7.2.3/2			
INVITE 'from-change' 1	tag in Supported header sup	ported	
When the IBCF receives an INVITE request from the own network and the 'from-change' tag is contained in the Supported header, an INVITE is sent to the other network and the			
INVITE 1: Supported: from-change			
	¥		
Mx SUT Ic			
INVITE 1	→ Apply post test	→ INVITE 2	
	Exit_Point/scr/ss/tip-tir PICS 7.1.1/3 AND PIC INVITE 'from-change' f When the IBCF receive tag is contained in the 'from-change' tag pres INVITE 1: Supported: INVITE 2: Supported: Mx	Exit_Point/scr/ss/tip-tir PICS 7.1.1/3 AND PICS 7.2.3/2 INVITE 'from-change' tag in Supported header sup When the IBCF receives an INVITE request from the tag is contained in the Supported header, an INVIT' 'from-change' tag present in the supported header. INVITE 1: Supported: from-change INVITE 2: Supported: from-change Mx SUT	

TP number	IBCF_105_006	Reference	12 [2]	
TSS reference	Exit_Point/scr/ss/tip-tir			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.3/2		
Test Purpose name	200 OK 'from-change' tag in Supported header supported			
Test Purpose	When the IBCF receives a 200 OK INVITE request from the other network and the 'from-change' tag is contained in the Supported header, a 200 OK INVITE request is sent to the own network and the 'from-change' tag is present in the supported header.			
SIP Parameter values	200 OK 1: Supported: from-change			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2 ACK	SUT → ← → Apply post test i	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 → ACK routine	

6.1.3.2.3 Communication Diversion service

TP number	IBCF_106_001	Reference	4.4.4 [1],
			4.3.3.1.1 [15]
TSS reference	Exit_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.2	2.3/3
Test Purpose name	The History-Info header	r without Privacy header is p	assed in the INVITE
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network		
	Privacy header is prese	nt, it leaves the History-Info	header field in the SIP requests if the
	other network is trusted		
SIP Parameter values	INVITE 1: History-Info		
Comments	INVITE 2: History-Info		
Message flows	Mx	SUT	lc
_	INVITE 1	→	→ INVITE 2
	100 Trying	÷	
		Apply post test r	outine

TP number	IBCF_106_002	Reference	4.4.4 [1],	
			4.3.3.1.1 [15]	
TSS reference	Exit_Point/scr/ss/cdiv	· ·		
Selection criteria	PICS 7.1.1/3 AND NOT PIC	S 7.2.1/2 AND PICS 7.	2.3/3	
Test Purpose name	The History-Info header with	n Privacy history is pass	sed in the INVITE	
Test Purpose			est from within its own network and a	
		Privacy header value history is present, it leaves the History-Info header field in the SIP		
	requests if the other networ	k is trusted.		
SIP Parameter values	INVITE 1: History-Info			
	Privacy: history			
Comments	INVITE 2: History-Info			
	Privacy: history			
Message flows	Mx	SUT	lc	
_	INVITE 1	→	→ INVITE 2	
	100 Trying	÷		
		Apply post test r	outine	

TP number	IBCF_106_003	Reference	4.4.4 [1],
			4.3.3.1.1 [15]
TSS reference	Exit_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND NC	DT PICS 7.2.1/2 AND PICS 7.2	.3/3
Test Purpose name	The History-Info head	er with escaped Privacy heade	er is passed in the INVITE
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own ne		
	Privacy header value	Privacy header value history is escaped in any hi-entry, it leaves the hi-entry in the	
	History-Info header fie	eld in the SIP requests if the otl	her network is trusted.
SIP Parameter values	INVITE 1: History-Info: < <i>hi-targeted-to-uri</i> 1?Privacy=history>; index=1		
	<hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri>		
Comments	INVITE 2: History-Info	o: <hi-targeted-to-uri 1?privacy<="" td=""><td>=history>; index=1</td></hi-targeted-to-uri>	=history>; index=1
	<hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri>		
Message flows	Mx	SUT	lc
-	INVITE 1	→	→ INVITE 2
	100 Trying	+	
		Apply post test ro	outine

TP number	IBCF_106_004	Reference	4.4.2 [1],
			4.3.3.1.1 [15]
TSS reference	Exit_Point/scr/ss/cdiv	· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.1/2 AND PICS 7.2.3/3	
Test Purpose name	The History-Info header	r is passed into an untruste	d network
Test Purpose			est from within its own network and a no
	Privacy header, it leave	es the History-Info header fi	eld in the SIP requests if the other
	network is untrusted.		
SIP Parameter values	INVITE 1: History-Info		
Comments	INVITE 2: History-Info		
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
	100 Trying	+	
		Apply post test	routine

TP number	IBCF_106_005	Reference	4.4.2 [1],
			4.3.3.1.1 [15]
TSS reference	Exit_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.3/3	
Test Purpose name	The History-Info heade	r and Privacy headers are on	nitted into an untrusted network
Test Purpose		istory is present, it removes t	st from within its own network and a he History-Info header field from the
SIP Parameter values	INVITE 1: History-Info Privacy: hist	ory	
Comments	INVITE 2: no History-Ir	nfo present	
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
	100 Trying	÷	
	Apply post test routine		

TP number	IBCF_106_006	Reference	4.4.2 [1],
			4.3.3.1.1 [15]
TSS reference	Exit_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.1/2 AND PICS 7.2.3/3	
Test Purpose name	The History-Info header	with escaped Privacy head	er is omitted into an untrusted network
Test Purpose			st from within its own network and a
			ntry, it removes this specific hi-entry s if the other network is untrusted.
SIP Parameter values	INVITE 1: History-Info:	<hi-targeted-to-uri 1?privacy<="" th=""><th>/=history>; index=1</th></hi-targeted-to-uri>	/=history>; index=1
-		<hi-targeted-to-uri 2="">; index:</hi-targeted-to-uri>	
Comments	INVITE 1: History-Info: <	< <i>hi-targeted-to-uri</i> 2>; index	=1.1
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
	100 Trying	÷	
	Apply post test routine		

6.1.3.2.4 Other Simulation services

TP number	IBCF_107_001	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/othe	er	
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/17 AND PICS 7.2.3/	4
Test Purpose name	INFO request containing the "application/vnd.etsi.mcid+xml" request MIME body supported		
Test Purpose	When the IBCF receives an INFO request from the other network the Content-Type is set to 'application/vnd.etsi.mcid+xml' and a MCID XML request body is present, an INFO request is sent to the own network. The Content-type is set to 'application/vnd.etsi.mcid+xml' and the received MCID XML body is present.		
SIP Parameter values	xml vers<br mcid reques Mci		l
Comments		<u> </u>	
Message flows	Mx INVITE INFO 200 OK INFO	SUT → ← → Apply post test	Ic → INVITE ← INFO → 200 OK INFO routine

TP number	IBCF_107_002	Reference	2	12 [3]	
TSS reference	Exit Point/scr/ss/othe		•	12 [3]	
			20.70.0/4		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/17 AND PICS 7.2.3/4				
Test Purpose name					
	supported				
Test Purpose				work the Content-Type is set to	
				ody is present, an INFO	
	request is sent to the	other network. The 0	Content-type is set	to	
	'application/vnd.etsi.m	ncid+xml' and the red	eived MCID XML	body is present.	
SIP Parameter values	INFO 2: Content-Ty	pe: application/vnd.	etsi.mcid+xml		
	xml version="1.0"</th				
	mcid				
	response				
	McidResponseIndicator>1<				
	HoldingProvidedIndicator>1<				
		PartyIdentity>[any l			
Comments		<u>, , , , , , , , , , , , , , , , , , , </u>			
Message flows	Mx		SUT	lc	
		→	→	INVITE	
		-	-		
	INFO	+	+	INFO	
	200 OK INFO 1	÷	、 →	200 OK INFO 1	
	200 OK INFO I	7	7	200 OK INFO I	
	INFO 1	→	→	INFO 2	
	200 OK INFO 2	÷	÷	200 OK INFO 2	
	200 OK INFO 2		-	200 OK INFO 2	
		арріу р	ost test routine		

TP number	IBCF_107_003	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/5		
Test Purpose name	Privacy value 'id' and 433 And	onymity Disallowed respor	nse supported
Test Purpose	When an IBCF receives a P-A own network, an INVITE requ P-Asserted-Identity header ar Disallowed final response fror	est is sent to the other ne id the Privacy header. The	e received 433 Anonymity
SIP Parameter values	INVITE: P-Asserted-Identity Privacy: id	,	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	433 Anonymity Disallowed	+	 433 Anonymity Disallowed
	ACK	→	→ ACK

TP number	IBCF_107_004	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/othe	r	
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/6		
Test Purpose name	Alert-Info header supp	oorted	
Test Purpose	When the IBCF receives a 180 Ringing from the other network containing an Alert-Info header set to 'urn:alert:service:call-waiting' a 180 Ringing response is sent to the own network and the received Alert-Info header is present.		
SIP Parameter values	180 1: Alert-Info: <urn< th=""><th>alert:service:call-waiting></th><th></th></urn<>	alert:service:call-waiting>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	180 Ringing	÷	 180 Ringing
	Apply post test routine		

TP number	IBCF_107_005	Reference	12 [3]	
TSS reference	Exit_Point/scr/ss/othe	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PI	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/6		
Test Purpose name	INVITE containing a (CW XML body supported		
Test Purpose		When the IBCF receives an INVITE request from the own network and a CW XML MIME body is attached, an INVITE request is sent to the other network containing the received CW XML MIME body.		
SIP Parameter values	INVITE: Content-Type: application/vnd.3gpp.cw+xml xml version="1.0"<br ims-cw communication-waiting-indication			
Comments		×		
Message flows	Мх	SUT	lc	
	INVITE	→	→ INVITE	
	Apply post test routine			

TP number	IBCF_107_006	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other	<u>.</u>	
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	/19 AND PICS 7.2.3/	6
Test Purpose name	480 containing Reason cause	19 supported	
Test Purpose	When the IBCF receives a 480 Temporarily Unavailable final response from the other network and a Reason header cause value set to #19 is present, a 480 Temporarily Unavailable is sent to the own network containing the received Reason header.		
SIP Parameter values	480: Reason: Q.850: cause	=19	
Comments			
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
	480 Temporarily Unavailable	+	← 480 Temporarily Unavailable
	ACK	→	→ ACK

TP number	IBCF_107_007	Reference	12 [3]	
TSS reference	Exit_Point/scr/ss/othe	er		
Selection criteria	PICS 7.1.1/3 AND PI			
Test Purpose name	INVITE request to sus	spend and retrieve a sessior	is supported	
Test Purpose	When the IBCF receivise is established and the	ves an INVITE request from eversion parameter in the o	the own network while an active session line of the SDP is incremented and the a rE request is sent to the other network:	
		parameter of the o line is incl e of the m line is set to 'send		
			ork the version parameter of the o line is to 'recvonly' is sent to the own network:	
		earameter of the o line is include of the m line is set to 'recv		
	session is established	and the version parameter	the own network while an suspended in the o line of the SDP is incremented ', an INVITE request is sent to the other	
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv' 			
	The 200 OK INVITE received from the other network the version parameter of the o line is incremented and the a attribute of the m line is set to 'sendrecv' is sent to the own network:			
	-	parameter of the o line is incl e of the m line is set to 'send		
SIP Parameter values	INVITE 1: SDP o line: v a=send	version number incrementec Ionly		
	INVITE 2: SDP			
	o line: v a=send	version number incremented Irecv		
Comments				
Message flows	Mx	SUT	lc	
		An active session is alr	-	
		→	→ INVITE 1	
	200 OK INVITE ACK	← →	← 200 OK INVITE→ ACK	
	INVITE 2 200 OK INVITE	→ ←	 → INVITE 2 ← 200 OK INVITE 	
	ACK	→ Apply post test	→ ACK routine	

TP number	IBCF 107 008 Reference 12 [3]		
TSS reference	Exit Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/7		
Test Purpose name	UPDATE request to suspend and retrieve a session is supported		
Test Purpose	When the IBCF receives an UPDATE request from the own network while an active session is established and the version parameter in the o line of the SDP is incremented and the a attribute of the m line is set to 'sendonly', an UPDATE request is sent to the other network:		
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendonly' 		
	The 200 OK UPDATE received from the other network the version parameter of the o line is incremented and the a attribute of the m line is set to 'recvonly' is sent to the own network:		
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'recvonly' 		
	When the IBCF receives an UPDATE request from the own network while an suspended session is established and the version parameter in the \mathbf{o} line of the SDP is incremented and the a attribute of the \mathbf{m} line is set to 'sendrecv', an UPDATE request is sent to the other network:		
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv' The 200 OK UPDATE received from the other network the version parameter of the o line is incremented and the a attribute of the m line is set to 'sendrecv' is sent to the own 		
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv'. 		
SIP Parameter values	UPDATE 1: SDP o line: version number incremented a=sendonly		
	UPDATE 2: SDP o line: version number incremented a=sendrecv		
Comments			
Message flows	Mx SUT Ic An active session is already established		
	UPDATE 1→→UPDATE 1200 OK UPDATE←200 OK UPDATE		
	UPDATE 2 200 OK UPDATE 2 ★ UPDATE 2 ★ 200 OK UPDATE Apply post test routine		

TP number	IBCF_107_009	Referen	се	12 [3]			
TSS reference	Exit_Point/scr/ss/other	<u>.</u>					
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.1/1 AND PI	CS 7.2.3/8				
Test Purpose name	SUBSCRIBE with 'mes	sage-summary' e	event package supp	orted			
Test Purpose	When the IBCF receive	es a SUBSCRIBE	request from the or	wn network the:			
	 Expires header 	 Event header is set to 'message-summary' Expires header set to '7200' Accept header set to 'application/simple-message-summary' 					
	A SUBCRIBE is sent to from the own network.	A SUBCRIBE is sent to the other network containing the MWI related headers as received					
SIP Parameter values	SUBCRIBE:						
	Expires:		/ e-message-summar	У			
Comments				•			
Message flows	Mx		SUT	lc			
_	SUBCRIBE	→	→	SUBCRIBE			
	200 OK SUBCRIBE/	←	+	200 OK SUBCRIBE/			
	202 Accepted			202 Accepted			

TP number	IBCF_107_010	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1	/1 AND PICS 7.2.3/8				
Test Purpose name	NOTIFY with message summ	ary MIME body supported				
Test Purpose	When the IBCF receives a NC	DTIFY request from the own net	work the:			
	 Subscription-State he Content-Type header 	 Event header set to 'message-summary' Subscription-State header set to 'active' expires parameter set to '7200' Content-Type header set to 'application/simple-message-summary' MIME body set to 'Messages-Waiting: yes' 				
	A NOTIFY is sent to the other network containing the MWI related headers and MIME body as received from the own network.					
SIP Parameter values	NOTIFY:					
	Event: message-summary Subscription-State: active; expires=7200 Content-Type: application/simple-message-summary Messages-Waiting: yes					
Comments						
Message flows	Mx	SUT	lc			
	NOTIFY 200 OK NOTIFY	→ - +	NOTIFY 200 OK NOTIFY			

TP number	IBCF_107_011	Reference		12 [3]
TSS reference	Exit_Point/scr/ss/othe	r		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/9		
Test Purpose name	603 containing a Reas	son header in case of	ICB received	
Test Purpose	When the IBCF receiv Decline is sent to the			the other network, a 603 Reason header.
SIP Parameter values	603: Reason		*	
Comments				
Message flows	Mx INVITE 603 Decline ACK	→ ← →	SUT → ←	Ic INVITE 603 Decline ACK

TP number	IBCF_107_012	Referen	се		12 [3]	
TSS reference	Exit_Point/scr/ss/othe	r				
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PI	CS 7.2.3/9			
Test Purpose name	603 containing a Rea	son header in case	of OCB rece	eived		
Test Purpose		When the IBCF receives a 603 Decline final response from the other network, a 603 Decline is sent to the own network containing the received Reason header.				
SIP Parameter values	603: Reason					
Comments						
Message flows	Mx INVITE 603 Decline	→ ←	SUT	→ +	IC INVITE 603 Decline	
	ACK	→		→	ACK	

TP number	IBCF_107_013	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/othe	er				
Selection criteria	PICS 7.1.1/3 AND NO	DT PICS 7.2.1/1 AND PICS 7	7.2.3/10			
Test Purpose name	486 containing a Call	-Info header is supported				
Test Purpose	When the IBCF receives a 486 Busy Here final response containing a Call-Info header with purpose parameter set to 'call-completion' and m parameter set to 'BS' from the other network ensure that a 486 Busy Here final response is sent to the own network containing the received Call-Info header.					
SIP Parameter values	486: Call-Info: <sip:< th=""><th colspan="5">486: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any></th></sip:<>	486: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>				
Comments	•					
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
	486 Busy Here	486 Busy Here 🗲 🗲 486 Busy Here				
	ACK	→	→ ACK			

TP number	IBCF_107_014	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/othe	er				
Selection criteria	PICS 7.1.1/3 AND NO	OT PICS 7.2.1/1 AND PICS	7.2.3/11			
Test Purpose name	180 containing a Call	-Info header is supported				
Test Purpose	When the IBCF receives a 180 Ringing provisional response containing a Call-Info header with purpose parameter set to 'call-completion' and m parameter set to 'BS' from the other network ensure that a 180 Ringing provisional response is sent to the own network containing the received Call-Info header.					
SIP Parameter values	180: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>					
Comments	•					
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
	180 Ringing 🗧 🗧 🗧 🗧 🗧					
		Apply post test	routine			

TP number	IBCF_107_015	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	/1 AND (PICS 7.2.3/11 OR F	PICS 7.2.3/10)
Test Purpose name	199 response is supported		
Test Purpose	When the IBCF receives a 199 other network in early dialogue own network.		rovisional response from the Dialog Terminated is sent to the
SIP Parameter values			
Comments			
Message flows	Мх	SUT	lc
	INVITE	\rightarrow \rightarrow	INVITE
	180 Ringing	← ←	180 Ringing
	199 Early Dialog Terminated	← ←	199 Early Dialog Terminated
		Apply post test routine	

TP number	IBCF_107_016	Reference	12 [3]			
TSS reference	Exit Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.1.1/3 AND NOT PICS 7.2.1/1 AND (PICS 7.2.3/11 OR PICS 7.2.3/10)				
Test Purpose name	SUBSCRIBE and NOTI	FY for Call Completion is a	supported			
Test Purpose	When the IBCF receive	s a SUBSCRIBE request f	om the own network and the			
	 Call-Info heade is set to 'BS' or 		to 'call-completion' and the m parameter			
		s set to 'call-completion'				
			other network containing the received			
	Call-Info and Event hea	ider.				
		s a NOTIFY request from t	he other network and the			
		s set to call-completion	II			
		eader is set to application/				
		parameter is set to queued ntion MIME parameter is se				
			network containing the Event header and			
SIP Parameter values	the 'cc-' MIME body as received from the other network. SUBSCRIBE:					
	Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR</sip:[any>					
	Event: call-completion					
	NOTIFY:					
	Event: call-completion					
		e: application/call-completi	on			
	cc-state: que					
0	cc-service-retention: true					
Comments	Mx	OUT				
Message flows		SUT				
	SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE					
	202 Accepted	÷	← 202 Accepted			
	NOTIFY	+	NOTIFY			
	200 OK NOTIFY	÷	→ 200 OK NOTIFY			
		2	- 200 010110111			

TP number	IBCF_107_017	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7	7.2.1/1 AND (PICS 7.2.3/11 OI	R PICS 7.2.3/10)		
Test Purpose name	NOTIFY for Call Completion is	supported			
Test Purpose	When the IBCF receives a NO	TIFY request from the own net	work and the		
	Event header is set to	call-completion'			
	Content-Type header i	s set to 'application/call-compl	etion'		
	cc-state MIME parame	ter is set to 'ready' or 'Subscri	ption-State MIME parameter is		
	set to 'terminated; reason=noresource'				
	ensure that a NOTIFY request is sent to the other network containing the Event header				
	and the 'cc-' MIME body as received from the own network				
SIP Parameter values	NOTIFY:				
	Event: call-completion				
	Content-Type: application/call-completion				
	cc-state: ready				
	or				
-	Subscription-State: terminated; reason=noresource				
Comments					
Message flows	Mx SUT Ic				
	NOTIFY →	→	NOTIFY		
	200 OK NOTIFY	+	200 OK NOTIFY		

TP number	IBCF_107_018	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7.2.1/1 AND (PICS 7.2.3/11 OR PICS 7.2.3/10)					
Test Purpose name	PUBLISH for Call Comp					
Test Purpose	When the IBCF receives a PUBLISH request from the own network and the					
	 Event header is 	Event header is set to presence				
	 Call-Info heade is set to 'BS' or 		to 'call-completion' and the m parameter			
	 Content-Type h 	eader is set to application/p	bidf+xml			
			and status/basic element set to 'closed'			
	or 'open'					
		ensure that a PUBLISH request is sent to the other network containing the Call-Info header				
	and the presence MIME	body as received from the	own network.			
SIP Parameter values	PUBLISH:					
	Event: prese					
	Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR</sip:[any>					
	Content-Type: application/pidf+xml					
	xml version="1.0" encoding="UTF-8"?					
	<presence< th=""><th></th><th></th></presence<>					
	<status></status>					
	<basic>closed</basic>					
	or					
	<basi< th=""><th>c>open</th><th></th></basi<>	c>open				
Comments						
Message flows	Mx	SUT	lc			
	PUBLISH	→	→ PUBLISH			
	200 OK PUBLISH	+	← 200 OK PUBLISH			

TP number	IBCF_107_019	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/oth	er				
Selection criteria	PICS 7.1.1/3 AND N	OT PICS 7.2.1/1 AND (PICS	7.2.3/11 OR PICS 7.2.3/10)			
Test Purpose name	INVITE with Call Cor	mpletion information is suppo	rted			
Test Purpose	to 'BS' or 'NR' is pres parameter set to 'cal INVITE request is se Call-Info header is pr	When the IBCF receives an INVITE request from the own network and a m parameter set to 'BS' or 'NR' is present in the request line and a Call-Info header containing a purpose parameter set to 'call-completion' and a m parameter set to 'BS' or 'NR', ensure that an INVITE request is sent to the other network, the m parameter in the request line and the Call-Info header is present as received from the own network.				
SIP Parameter values	INVITE: Request Line URI;m=BS or m=NR Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR</sip:[any>					
Comments						
Message flows	Mx	SUT	lc			
_	INVITE	→	→ INVITE			
		Apply post test routine				

TP number	IBCF_107_020	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/othe	r	· • •		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/12 OR PICS 7.2.3/13	}		
Test Purpose name	Support of REFER wi	th Referred-By header and Re	eplaces header		
Test Purpose	When the IBCF receives a REFER request in an active session from the own network and a Refer-To header containing a Replaces header and a Referred-By header is present, a REFER request is sent to the other network containing the Refer-To header and Referred-By header as received from the own network.				
SIP Parameter values	REFER: Refer-To: [any URI];method=invite?Replaces=[any dialogue identifier value] Referred-By: [any URI]				
Comments	An active session is already established.				
Message flows	Mx SUT IC A session is already established				
	REFER 202 Accepted	 → ← Apply post test r 	 → REFER ← 202 Accepted outine 		

TP number	IBCF_107_021	Reference	12 [3]				
TSS reference	Exit Point/scr/ss/othe		.=[0]				
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/12 OR PICS 7.2.3/	(13				
Test Purpose name	Support of NOTIFY v	vith 'application/sipfrag' MIM	E body				
Test Purpose	body is present a NO	When the IBCF receives a NOTIFY request from the own network and a sipfrag MIME body is present a NOTIFY is sent to the other network and the sipfrag MIME body is present as received from the own network.					
SIP Parameter values	NOTIFY: Content-T: SIP/2.0 10 or SIP/2.0 20						
Comments	A active session is al network	ready established and a RE	FER request was received from the other				
Message flows	Mx	SUT	lc				
_	A se	A session is already established and REFER was sent					
	NOTIFY	-					
	200 OK NOTIFY	÷	← 200 OK NOTIFY				
		Apply post tes	t routine				

TP number	IBCF_107_022	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/othe	er		•		
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PICS 7.2.3/	13			
Test Purpose name	INVITE containing a r	recipient-list supported				
Test Purpose	recipient-list, ensure t	When the IBCF receives an INVITE request from the own network containing a XML recipient-list, ensure that an INVITE request is sent to the other network and the received				
	recipient-list is preser	recipient-list is present.				
SIP Parameter values	INVITE:					
	Content-Type: application/resource-lists+xml xml version="1.0"<br <resource-lists< th=""></resource-lists<>					
	<list> <entry and="" identifier]<br="" session="" uri=""><entry and="" identifier]<br="" session="" uri=""></entry></entry></list>					
	<th>e-lists></th> <th></th> <th></th>	e-lists>				
Comments	410000100					
Message flows	Мх	SUT		lc		
-	INVITE	→	→ INVI	ТЕ		
		Apply post test routine				

TP number	IBCF_107_023	Reference		12 [3]	
TSS reference	Exit_Point/scr/ss/othe	r			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PICS	7.2.3/13		
Test Purpose name	200 OK INVITE conta	ining a 'isfocus' param	eter		
Test Purpose	When the IBCF receives a 200 OK INVITE final response from the other network and the Contact header contains the 'isfocus' URI parameter, ensure that a 200 OK INVITE is sent to the own network and the 'isfocus' parameter is present in the Contact header field.				
SIP Parameter values	200 OK: Contact: <s< th=""><th>sip:[any URI]>;isfocus</th><th></th><th></th></s<>	sip:[any URI]>;isfocus			
Comments					
Message flows	Mx INVITE 200 OK INVITE ACK	→ ← →	UT → ← → st test routine	IC INVITE 200 OK INVITE ACK	

TP number	IBCF_107_024 Reference 12 [3]				
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/13				
Test Purpose name	INVITE containing a 'isfocus' parameter				
Test Purpose	When the IBCF receives an INVITE request from the own network and the Contact header contains the 'isfocus' URI parameter, ensure that an INVITE request is sent to the other network and the 'isfocus' parameter is present in the Contact header field.				
SIP Parameter values	INVITE: Contact: <sip:[any uri]="">;isfocus</sip:[any>				
Comments					
Message flows	Mx SUT Ic				
	INVITE Apply post test routine				

TP number	IBCF_107_025	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2	.3/13				
Test Purpose name	SUBCRIBE for conference	event package is supported				
Test Purpose	When the IBCF receives a SUBSCRIBE request from the own network and an Event header is present set to 'conference', ensure that a SUBSCRIBE request is sent to the other network containing the Event header as received from the own network.					
SIP Parameter values	SUBSCRIBE:					
	Event: confer	ence				
Comments						
Message flows	Mx	SUT	lc			
		A session is already establis	ned			
	SUBSCRIBE	\rightarrow \rightarrow	SUBSCRIBE			
	202 Accepted C 202 Accepted					
	NOTIFY					
	200 OK NOTIFY	\rightarrow \rightarrow	200 OK NOTIFY			
		Apply post test routine				

TP number	IBCF_107_026	Reference	12 [3	3]			
TSS reference	Exit_Point/scr/ss/othe	Exit Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND PIC	PICS 7.1.1/3 AND PICS 7.2.3/13 AND PICS 7.2.3/19					
Test Purpose name	NOTIFY for conference	ce event package is suppo	orted				
Test Purpose	When the IBCF receiv	ves a NOTIFY request from	m the other network	after the conference			
	package was subscrib	package was subscribed containing a conference info XML MIME body, ensure that a					
	NOTIFY is sent to the	NOTIFY is sent to the own network and the conference info XML MIME body is present as					
		received from the other network.					
SIP Parameter values	NOTIFY:						
	Event: cont	Event: conference Subscription-State: active					
		tion/conference-info+xml:					
	<00	<conference-info></conference-info>					
		entity=[any URI]					
		<conference-state></conference-state>					
		<user-count>2<th>count></th><th></th></user-count>	count>				
		<active>true</active>					
		<users></users>					
		<user entity="[any" th="" uri]<=""></user>					
		<endpoint entity="=</th"><th></th><th></th></endpoint>					
		<status>conne</status>					
			d>dialed-in joining</th <th>-method></th>	-method>			
		<media <="" id="1" th=""><th></th><th></th></media>					
		<status>ser</status>	ndrecv				
Comments							
Message flows	Мх	SUT		lc			
-	A session is already established						
		Conference notificat	ion is subscribed				
	NOTIFY	+	← NOT	IFY			
	200 OK NOTIFY	→	→ 200 0	OK NOTIFY			
		Apply post te	est routine				

TP number	IBCF_107_027	Reference		12 [3]			
TSS reference	Exit_Point/scr/ss/other						
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/1 AND PICS 7	.2.3/14				
Test Purpose name	Support of INVITE con	taining a CUG request					
Test Purpose	networkIndicator, cuglr	When the IBCF receives an INVITE request from the own network containing a CUG XML networkIndicator, cugInterlockBinaryCode, cugCommunicationIndicator body, an INVITE is sent to the other network containing the CUG XML body received from the own network.					
SIP Parameter values	Content-Dis xml versio<br cug networkl	INVITE: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0"<br cug networkIndicator>[any value]< cugInterlockBinaryCode>[any value]<					
Comments							
Message flows	Мх	SUT		lc			
-	INVITE	→	→	INVITE			
		Apply post test	routine				

IBCF_107_028	Reference	12 [3]			
	r	· • •			
PICS 7.1.1/3 AND PIC	CS 7.2.1/1 AND PICS 7.2.3/14				
Support of INVITE cor	ntaining a CUG request				
outgoingAccessReque	When the IBCF receives an INVITE request from the own network containing a CUG XML outgoingAccessRequest, cugIndex body, an INVITE is sent to the other network containing the CUG XML body received from the own network.				
Content-Dis xml vers<br cug cugCall outg	sposition: handling= required ion="1.0" Operation joingAccessRequest>true<	nl			
Ŭ Ŭ					
Mx	SUT	lc			
INVITE	Apply post test ro				
	Exit_Point/scr/ss/othe PICS 7.1.1/3 AND PIC Support of INVITE con When the IBCF receiv outgoingAccessReque the CUG XML body re INVITE: Content-Ty Content-Dis xml vers<br cug cugCall outg cug	Exit_Point/scr/ss/other PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/14 Support of INVITE containing a CUG request When the IBCF receives an INVITE request from the outgoingAccessRequest, cugIndex body, an INVITE the CUG XML body received from the own network. INVITE: Content-Type: application/vnd.etsi.cug+xi Content-Disposition: handling= required xml version="1.0"</td cug cugCallOperation outgoingAccessRequest>true cugIndex>[any value] Mx SUT			

TP number	IBCF_107_029	Reference		12 [3]			
TSS reference	Exit_Point/scr/ss/othe	er					
Selection criteria	PICS 7.1.1/3 AND NO	OT PICS 7.2.3/14					
Test Purpose name	No support of INVITE	containing a CUG request					
Test Purpose	networkIndicator, cug	When the IBCF receives an INVITE request from the own network containing a CUG XML networkIndicator, cugInterlockBinaryCode, cugCommunicationIndicator body, an INVITE is sent to the other network not containing the CUG XML body received from the own network					
SIP Parameter values	Content-D xml vers<br cug netword cugInte	INVITE 1: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0"</td					
Comments							
Message flows	Мх	SUT		lc			
_	INVITE 1	→	→	INVITE 2			
		Apply post test routine					

TP number	IBCF_107_030	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	14				
Test Purpose name	Support of 403 final response					
Test Purpose	When the IBCF receives a 403	Forbidden final response from	the other network upon an			
	INVITE request was sent to the	e other network containing a C	UG request, ensure that the			
	403 final response I sent to the	e own network.				
SIP Parameter values	INVITE:					
	Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0"<br cug networkIndicator>[any value]< cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<					
Comments						
Message flows	Mx SUT Ic					
	INVITE -	INVITE				
	403 Forbidden	←	403 Forbidden			
	ACK 🚽	→ →	ACK			

TP number	IBCF_107_031	Reference	12 [3]				
TSS reference	Exit_Point/scr/ss/othe	er					
Selection criteria	PICS 7.1.1/3 AND PI	ICS 7.2.3/14					
Test Purpose name	Support of 603 final r	response					
Test Purpose	INVITE request was	When the IBCF receives a 603 Decline final response from the other network upon an INVITE request was sent to the other network containing a CUG request, ensure that the 603 final response I sent to the own network.					
SIP Parameter values	Content-D xml vers<br cug networ cugInte	ype: application/vnd.etsi.cug bisposition: handling= require sion="1.0" rkIndicator>[any value]< erlockBinaryCode>[any value mmunicationIndicator>11<	d				
Comments							
Message flows	Mx INVITE 603 Decline ACK	SUT → ← →	 → INVITE ← 603 Decline → ACK 	lc			

TP number	IBCF_107_032	Reference	12 [3]				
TSS reference	Exit_Point/scr/ss/othe						
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/14					
Test Purpose name	Support of 500 final re	esponse					
Test Purpose	upon an INVITE requ	When the IBCF receives a 500 Server Internal Error final response from the other network upon an INVITE request was sent to the other network containing a CUG request, ensure that the 500 final response I sent to the own network.					
SIP Parameter values	Content-Di xml vers<br cug network cugInte	/pe: application/vnd.etsi.c isposition: handling= requi sion="1.0" kIndicator>[any value]< erlockBinaryCode>[any va nmunicationIndicator>11<	ired lue]<				
Comments	¥						
Message flows	Mx INVITE 500 Server Internal E ACK	SUT → rror ←	IC → INVITE 2				

TP number	IBCF 107 033	Reference	12 [3	3]		
TSS reference	Exit Point/scr/ss/other					
Selection criteria		2 4 /4 AND DICC 7 2 2/4/	-			
	PICS 7.1.1/3 AND PICS 7		0			
Test Purpose name	INVITE containing AOC-S					
Test Purpose	When the IBCF receives a					
	XML MIME body is preser					
	network and the AOC-S X	ML body is contained as	received from th	ne own network.		
SIP Parameter values	INVITE:					
	Content-Type: application/vnd.etsi.aoc+xml					
	xml version=</td <td></td> <td></td> <td></td>					
	aoc					
	aoc-s					
	charged-items					
	communication-setup					
	basic					
	price-time					
	currency-id					
	currency-amount					
	length-time-unit					
		charging-type				
Comments						
Message flows	Mx	SUT		lc		
	INVITE	→	→ INVI	TE		
	100 Trying	←				
		Apply post test r	outine			

TP number	IBCF_107_034	Reference	12 [3]		
TSS reference	Exit Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15				
Test Purpose name	183 containing AOC-S info supported				
Test Purpose	When the IBCF receives a 183 Session Progress provisional response from the other (home) network and a AOC-S XML MIME body is present, ensure that a 183 Session Progress provisional response is sent to the own (visited) network and the AOC-S XML body is contained as received from the other network.				
SIP Parameter values	183:				
Quementa	xml version<br aoc aoc-s charge	: application/vnd.etsi.aoc+x =="1.0" ed-items nmunication-setup basic price-time currency-id currency-amount length-time-unit charging-type	ml		
Comments					
Message flows	Mx INVITE 183 Session Progress	SUT → ←	Ic → INVITE ← 183 Session Progress		
		Apply post test re	outine		

TP number	IBCF 107 035	Reference	12 [3]	
TSS reference	Exit Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15			
Test Purpose name				
	180 containing AOC-S info supported When the IBCF receives a 180 Ringing provisional response from the other (home)			
Test Purpose	when the IBCF receives a	180 Ringing provisional re	esponse from the other (nome)	
			nsure that a 180 Ringing provisional	
			AOC-S XML body is contained as	
	received from the other ne	twork.		
SIP Parameter values	180:			
	Content-Type: application/vnd.etsi.aoc+xml			
	xml version="1.0"</th			
	aoc			
	aoc-s			
	charged-items			
	communication-setup			
	basic			
	price-time			
	currency-id			
	currency-amount			
	length-time-unit			
		charging-type		
Comments				
Message flows	Мх	SUT	lc	
5	INVITE	→	→ INVITE	
	180 Ringing	←	← 180 Ringing	
		Apply post test ro		
			uuno	

TP number	IBCF 107 036	Reference	12 [3]	
TSS reference	Exit_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15			
Test Purpose name				
Test Purpose	200 OK INVITE containing AOC-S info supported When the IBCF receives a 200 OK INVITE final response from the other (home) network			
restrupose				
	and a AOC-S AIVIL IVIIN	All body is present, ensure	that a 200 OK INVITE final response is XML body is contained as received from	
	the other network.	i) network and the AOC-S	AME body is contained as received from	
SIP Parameter values	200 OK:			
		e: application/vnd.etsi.aoc	+xmi	
	xml version="1.0"</th			
	aoc			
	aoc-s			
	charged-items			
	communication-setup			
	basic			
		price-time		
	currency-id			
	currency-amount			
	length-time-unit			
		charging-type		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→		
	180 Ringing	+	 180 Ringing 	
	200 OK INVITE	÷	← 200 OK INVITE	
	Apply post test routine			

TP number	IBCF 107 037	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15				
Test Purpose name	INFO containing AOC-D info supported				
Test Purpose	When the IBCF receives a INFO request from the other (home) network and a AOC-D XML MIME body is present, ensure that a INFO request is sent to the own (visited) network and the AOC-D XML body is contained as received from the other network.				
SIP Parameter values	xml vers<br aoc aoc-d cha reco	ype: application/vnd.etsi.aoc+) sion="1.0" orded-info orded-charges recorded-currency-units currency-id currency-amount	kml		
Comments		*			
Message flows	Mx	SUT	lc		
	INFO	A session is already o	← INFO		
	200 OK INFO	→ Apply post test r	→ 200 OK INFO outine		

TD month and	1005 407 000	Deferrere	40 [0]			
TP number	IBCF_107_038	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/oth	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND P	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15				
Test Purpose name	BYE containing AOC	BYE containing AOC-E info supported				
Test Purpose	When the IBCF receives a BYE request from the other (home) network containing AOC-E XML MIME body is present, ensure that the BYE request sent to the own (
	contains the AOC-D	XML MIME body as receive	d from the other network.			
SIP Parameter values						
	Content-Type: application/vnd.etsi.aoc+xml					
		rsion="1.0"				
	aoc					
	aoc-e					
	rec	corded-charges				
		recorded-currency-units				
		currency-id				
		currency-amount				
Comments		*				
Message flows	Mx	SUT	lc			
_	A session is already established					
	BYE	+				
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF 107 039	Reference	12 [3]		
TSS reference	Exit Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15				
Test Purpose name	200 OK BYE containing AOC-E info supported				
Test Purpose		rom the other (home) network			
	containing a AOC-E X	ML MIME body is present, en	sure that the 200 OK BYE response		
	sent to the own (visite	d) contains the AOC-D XML N	MIME body as received from the other		
	network.	-,			
SIP Parameter values	200 OK BYE:				
	Content-Type: application/vnd.etsi.aoc+xml				
	<pre><?xml version="1.0"</pre></pre>				
	aoc				
	aoc-e				
	recorded-charges				
	recorded-currency-units				
	currency-id				
		currency-amount			
Comments					
Message flows	Мх	SUT	lc		
3	A session is already established				
	BYE	→	→ BYE		
		-			
	200 OK BYE	←	← 200 OK BYE		
		Apply post test r	outine		

TP number	IBCF_107_040	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/othe	er	· · · ·
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PICS 7.2.3/15	
Test Purpose name	INVITE containing the	e capability for network chargin	g is supported
Test Purpose	header is set to 'appli		e own (visited) network and the Accept that an INVITE is sent to the other ceived from the own network.
SIP Parameter values	ÎNVITÉ:	2 · · ·	
	Accept: ap	plication/vnd.etsi.sci+xml	
Comments		·	
Message flows	Mx	SUT	lc
_	INVITE	→	→ INVITE
		Apply post test re	outine

TP number	IBCF_107_041	Reference		12 [3]	
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.1/1 AND PICS	7.2.3/15		
Test Purpose name	The response code 504	is supported			
Test Purpose	When the IBCF receives a 504 Server Time-out final response from the other network, ensure that the 504 Server Time-out is sent to the own network.				
SIP Parameter values					
Comments					
Message flows	Mx	S	UT	lc	
_	INVITE	→	→	INVITE	
	504 Server Time-out	←	+	504 Server Time-out	
	ACK	→	→	ACK	

TP number	IBCF_107_042 Reference 12 [3]
TSS reference	Exit_Point/scr/ss/other
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16
Test Purpose name	183 containing a 'crgt' XML element is supported
Test Purpose	When the IBCF receives a 183 Session Progress provisional response from the other network and a 'sci' XML MIME body is present containing 'crgt' element, ensure that the received 'crgt' XML MIME body is contained in the sent 183 Session Progress to the own network.
SIP Parameter values	183:
	Content-Type: application/vnd.etsi.sci+xml Content-Disposition: render; handling=optional xml version="1.0"<br messageType crgt chargingControlIndicators immediateChangeOfActuallyAppliedTariff delayUntilStart tariffCurrency currentTariffCurrency currencyFactorScale currencyFactorScale currencyFactorScale tariffDuration subTariffControl tariffControl tariffControlIndicators callAttemptChargeCurrency currencyFactor currencyFactor currencyFactor currencyScale tariffSwitchCurrency currencyScale tariffSwitchCurrency currencyScale tariffSwitchCurrency currencyScale tariffSwitchCurrency currencyFactor currencyScale tariffSwitchCurrency currencyFactor
	tariffDuration subTariffControl tariffControlIndicators callAttemptChargeCurrency currencyFactor currencyScale callSetupChargeCurrency currencyFactor currencyScale tariffSwitchOverTime originationIdentification currency
Comments	
Message flows	Mx SUT Ic
	A session is already established
	INVITE→→INVITE183 Session Progress←183 Session ProgressPRACK→PRACK200 OK PRACK←200 OK PRACK
	Apply post test routine

TP number	IBCF_107_043	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other	·	· • •		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16				
Test Purpose name	180 containing a 'crgt' XML element is supported				
Test Purpose	When the IBCF receive 'sci' XML MIME body is	When the IBCF receives a 180 Ringing provisional response from the other network and a 'sci' XML MIME body is present containing 'crgt' element, ensure that the received 'crgt' XML MIME body is contained in the sent 180 Ringing to the own network.			
SIP Parameter values					
SIP Parameter values	180: Content-Typ Content-Dis xml version<br messageTyp crgt charg ir d tariffu c	e: application/vnd.etsi.sci+x position: render; handling=o on="1.0"	ml ptional AppliedTariff quenceCurrency cy eSequenceCurrency ale		
	0	nationIdentification			
	curre	ncy			
Comments					
Message flows	Mx	SUT	lc		
		A session is already	established		
	INVITE	→	→ INVITE		
	180 Ringing	←	← 180 Ringing		
	PRACK	÷	→ PRACK		
		=	-		
	200 OK PRACK	+	 200 OK PRACK 		
		Apply post test	routine		

TP number	IBCF_107_044	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS	7 2 3/16			
Test Purpose name	200 OK containing a 'crgt' XML element is supported				
Test Purpose			sponse from the other network and a 'sci'		
rest i dipose			nt, ensure that the received 'crgt' XML		
		in the sent 200 OK INVITE			
SIP Parameter values	200 OK:	The sent 200 OK INVITE			
SIF Falalletel values		e: application/vnd.etsi.sci+x			
	xml versio</td <td>osition: render; handling=o</td> <td>plional</td>	osition: render; handling=o	plional		
		-			
	messageTyp	e			
	crgt	in a Countrollin di coto ro			
		ingControlIndicators	A mail in alt a wiff		
		mediateChangeOfActually/	Applied Lariff		
		layUntilStart			
		urrency			
	cu	rrentTariffCurrency			
		communicationChargeSe	quenceCurrency		
	currencyFactorScale				
		currencyFactor			
	currencyScale				
	tariffDuration				
	subTariffControl				
		tariffControlIndicators			
	callAttemptChargeCurrency				
	currencyFactor				
	currencyScale				
	callSetupChargeCurrency				
	currencyFactor				
	currencyScale				
	tariffSwitchCurrency				
	nextTariffCurrency				
	communicationChargeSequenceCurrency				
	currencyFactorScale				
	currencyFactor				
	currencyScale				
	tariffDuration				
	subTariffControl				
	tariffControlIndicators				
		callAttemptChargeCur	rency		
	currencyFactor				
		currencyScale			
		callSetupChargeCurre	ency		
		currencyFactor			
		currencyScale			
	tariffSwitchOverTime				
	origin	ationIdentification			
	currer				
Comments					
Message flows	Mx	SUT	lc		
v		A session is already			
	INVITE	→			
	180 Ringing	÷	← 180 Ringing		
			€ 180 Kinging€ 200 OK INVITE		
	200 OK INVITE	+			
		Apply post test	routine		

TP number	IBCF_107_045	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other		·= [•]			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7 2 3/16				
Test Purpose name		XML element is supported				
Test Purpose			other network and a 'sci' XML MIME body			
lest Fulpose			e received 'crgt' XML MIME body is			
		YE request to the own net				
SIP Parameter values	BYE:	TE lequest to the own her	WOIK.			
SIF Falameter values		e: application/vnd.etsi.sci+	vml			
		position: render; handling=				
	xml versio</th <th></th> <th>optional</th>		optional			
	messageTy					
	crgt					
		ningControlladicators				
		gingControlIndicators <pre>nmediateChangeOfActually</pre>	AppliedTariff			
		elayUntilStart	Applied Falli			
		Currency				
		urrentTariffCurrency				
		communicationChargeSe	auence Currency			
		currencyFactorScale	equenceCurrency			
		currencyFactor				
		currencyScale				
		tariffDuration				
		subTariffControl				
	tariffControlIndicators					
	callAttemptChargeCurrency					
	currencyFactor					
	currencyScale					
	callSetupChargeCurrency					
	currencyFactor					
	currencyScale					
	ta	riffSwitchCurrency				
		nextTariffCurrency				
		communicationChargeSequenceCurrency				
		currencyFactorScale				
		currencyFactor				
		currencyScale				
		tariffDuration				
		subTariffControl				
		tariffControlIndicators				
		callAttemptChargeCu				
		currencyFactor				
		currencyScale				
		callSetupChargeCurrency				
		currencyFactor				
		currencyScale				
		tariffSwitchOverTime				
	oriair	nationIdentification				
	curre					
Comments						
Message flows	Mx	SUT	lc			
		A session is already				
	BYE	←	← BYE			
	200 OK BYE	` →	→ 200 OK BYE			
		7	200 UNDIE			

TP number	IBCF_107_046 Reference 12 [3]				
TSS reference	Exit Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16				
Test Purpose name	INFO containing a 'crgt' XML element is supported				
Test Purpose	When the IBCF receives an INFO request from the other network and a 'sci' XML MIME				
lest ruipose	body is present containing 'crgt' element, ensure that the received 'crgt' XML MIME body is				
	contained in the sent INFO request to the own network.				
SIP Parameter values	INFO:				
SIF Falameter values	Content-Type: application/vnd.etsi.sci+xml				
	Content-Disposition: render; handling=optional				
	<pre><?xml version="1.0"</pre></pre>				
	messageType				
	crgt				
	chargingControlIndicators				
	immediateChangeOfActuallyAppliedTariff				
	delayUntilStart				
	tariffCurrency				
	currentTariffCurrency				
	communicationChargeSequenceCurrency				
	currencyFactorScale				
	currencyFactor				
	currencyScale				
	tariffDuration				
	subTariffControl				
	tariffControlIndicators				
	callAttemptChargeCurrency				
	currencyFactor				
	currencyScale				
	callSetupChargeCurrency				
	currencyFactor				
	currencyScale				
	tariffSwitchCurrency				
	nextTariffCurrency				
	communicationChargeSequenceCurrency				
	currencyFactorScale				
	currencyFactor				
	currencyScale				
	tariffDuration				
	subTariffControl				
	tariffControlIndicators				
	callAttemptChargeCurrency				
	currencyFactor				
	currencyScale				
	callSetupChargeCurrency				
	currencyFactor				
	currencyScale				
	tariffSwitchOverTime				
	originationIdentification				
	currency				
Comments					
Message flows	Mx SUT Ic				
	A session is already established				
	INFO 🗲 🗲 INFO				
	200 OK INFO → 200 OK INFO				
	Apply post test routine				

TP number	IBCF_107_047	Reference	12 [3]		
TSS reference	Exit Point/scr/ss/other		[0]		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	(16			
Test Purpose name	INFO containing a 'aocrg' XML element is supported				
Test Purpose	When the IBCF receives an INFO request from the other network and a 'sci' XML MIME body is present containing 'aocrg' element, ensure that the received 'aocrg' XML MIME body is contained in the sent INFO request to the own network.				
SIP Parameter values	INFO: Content-Type: appl Content-Disposition xml version="1.0<br messageType aocrg chargingCor immediat delayUnt addOnCharg addOnCl curre	cation/vnd.etsi.sci+xml : render; handling=optional trolIndicators ceChangeOfActuallyAppliedTa ilStart ge nargeCurrency ncyFactorScale urrencyFactor urrencyScale			
Comments	canonoy				
Message flows	Mx	SUT	lc		
5	Α	session is already establish	ed		
	INFO 🗲		INFO		
	200 OK INFO		200 OK INFO		
		Apply post test routine			

6.1.4 Network configuration hiding

6.1.4.1 Registration

TP number	IDCE 109 001	Deference		
	IBCF_108_001	Reference	5.10.2.1, 5.10.4.2 [1]	
TSS reference	Exit_Point/nch/reg			
Selection criteria	PICS 7.2.1/1 AND PIC	CS 7.1.1/1		
Test Purpose name	Encryption of Via head	der field		
Test Purpose	When an IBCF receive	es SIP REGISTER request fro	m within its own network, it shall	
	encrypt the all Via he	ader fields identifying the netw	vork entities. All received Via header	
	entries are result in or	e encrypted Via header field.		
SIP Parameter values	REGISTER 1: VIA: SIF	P/2.0/[transport] [any URI 1];bi	ranch=[any]	
	VIA: SIF	P/2.0/[transport] [any URI 2];bi	ranch=[anv]	
		P/2.0/[transport] [user URI] ;br		
	REGISTER 2: VIA: SIF	P/2.0/[transport] [URI of IBCF]		
			//[transport] [any URI 1];branch=[any],	
	(SIP/2.0/[transport] [any URI 2];branch=[any];			
			ed-by=[any host],	
	SIP/2.0/[transport] [user URI] ;branch=[any]			
Comments				
Message flows	Мх	SUT	lc	
-	REGISTER 1	→	→ REGISTER 2	
	200 OK (REGISTER)	+	← 200 OK (REGISTER)	
		Apply post test re		

TP number	IBCF_108_002	Reference	5.10.2.1, 5.10.4.2 [1]
TSS reference	Exit_Point/nch/reg		
Selection criteria	PICS 7.2.1/1 AND PICS	7.1.1/1	
Test Purpose name	Encryption of Path head	er field	
Test Purpose			rom within its own network, it shall add its or The received Path entries are
SIP Parameter values	REGISTER 2: Path: <sip:[uri o<="" th=""><th>RI 1]>;lr, <sip:[any 2]:<br="" uri="">f IBCF]>;lr , sip:Token(<si ·by=[any host]</si </sip:[any></th><th>>;lr p:[any URI 1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any></th></sip:[uri>	RI 1]>;lr, <sip:[any 2]:<br="" uri="">f IBCF]>;lr , sip:Token(<si ·by=[any host]</si </sip:[any>	>;lr p:[any URI 1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any>
Comments			
Message flows	Mx REGISTER 1 200 OK (REGISTER)	SUT ➔ Apply post test	Ic → REGISTER 2 ← 200 OK (REGISTER) routine

TP number	IBCF 108 003	Reference	5.10.2.1, 5.10.4.3 [1]	
TSS reference	Exit_Point/nch/reg		· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.2.1/1 AND PICS	7.1.1/1		
Test Purpose name	Decryption of Via header field			
Test Purpose	When an IBCF receives SIP 200 OK REGISTER response from the other network			
	move the topmost Via he	ader and decrypt the all \	Via header fields identifying the network	
	entities.			
SIP Parameter values	200 OK 1: VIA: SIP/2.0/[t	ransport] [URI of IBCF],		
	SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any],			
			ransport] [any URI 2];branch=[any];	
			by=[any host],	
		SIP/2.0/[tr	ansport] [URI user];branch=[any]	
	200 OK 2: VIA: SIP/2.0/[transport] [any URI 1];branch=[any],			
	SIP/2.0/[transport] [any URI 1];branch=[any],			
	SIP/2.0/[t	ransport] [user URI];branc	h=[any]	
Comments				
Message flows	Mx	SUT	lc	
	REGISTER	→	→ REGISTER	
	200 OK (REGISTER) 2	+	 200 OK (REGISTER) 1 	
		Apply post test	routine	

TP number	IBCF_108_004	Reference	5.10.2.1, 5.10.4.3 [1]		
TSS reference	Exit_Point/nch/reg				
Selection criteria	PICS 7.2.1/1 AND PICS 7.1.	1/1			
Test Purpose name	Decryption of Path header fi	əld			
Test Purpose		200 OK REGISTER response fr URI from the top of the Path he d .			
SIP Parameter values	200 OK 1: Path: <sip:[uri ibcf]="" of="">;lr, sip:Token(<sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr), tokenized-by=[any host]</sip:[any></sip:[any></sip:[uri>				
	200 OK 2:				
	Path: <sip:[any 1]="" uri="">;Ir, <sip:[any 2]="" uri="">;Ir</sip:[any></sip:[any>				
Comments					
Message flows	Mx	SUT	lc		
	REGISTER	\rightarrow \rightarrow	REGISTER		
	200 OK (REGISTER) 1	+ +	200 OK (REGISTER) 1		
		Apply post test routine			

TP number	IBCF_109_001	Reference	5.10.2.2 2B), 5.10.4.2 [1]	
TSS reference	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Encrypt all Via headers	s in the initial INVITE		
Test Purpose	When an IBCF receive	s an initial SIP INVITE reques	t from within its own network it	
-	encrypts all received V	ia header URIs except the one	e of the IBCF prior to forwarding the	
	request. All received V	ia header entries are result in	one encrypted Via header field.	
SIP Parameter values)/[transport] [any URI 1];brancl		
	VIA: SIP/2.0	/[transport] [any URI 2];brancl	n=[any]	
	VIA: SIP/2.0)/[transport] [user URI] ;branch	=[any]	
	INVITE 2: VIA: SIP/2.0)/[transport] [URI of IBCF],		
			nsport] [any URI 1];branch=[any],	
		(SIP/2.0/[tra	nsport] [any URI 2];branch=[any];	
		tokenized-by	/=[any host],	
	SIP/2.0/[transport] [user URI] ;branch=[any]			
Comments	TP_IMST2_IC_INI_01			
Message flows	Mx	SUT	lc	
	INVITE1	→	→ INVITE 2	
	100 Trying	÷		
	-	Annly next test re	utina	

Apply post test routine

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6.1.4.2 Basic call requirements

TP number	IBCF_109_002	Reference	5.10.2.2, 2B), 5.10.4.3 [1]	
TSS reference	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received Via head	er in the 180 Ringing		
Test Purpose	When an IBCF receives a 180	Ringing provisional response	e from the other network to a	
	forwarded initial INVITE reque	st and network topology hidin	g is required it shall decrypt the	
	Via header URIs when forward	ling to the own network.		
SIP Parameter values	180 1: VIA: SIP/2.0/[transport]			
	SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any],			
		(SIP/2.0/[transport] [an	y URI 2];branch=[any];	
		tokenized-by=[any hos	t],	
		SIP/2.0/[transport] [UR	user];branch=[any]	
	180 2: VIA: SIP/2.0/[transport] [any URI 1];branch=[any],			
	SIP/2.0/[transport]	[any URI 1];branch=[any],		
	SIP/2.0/[transport]	[user URI];branch=[any]		
Comments				
Message flows	Mx	SUT	lc	
	INVITE -	·	INVITE	
	180 Ringing 2 🗧 🗧	• • •	180 Ringing 1	
		Apply post test routine	0.0	

TP number	IBCF_109_003	Reference	5.10.2.2, 2B, 5.10.4.3 [1]	
TSS reference	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received Via	header in the 200 OK INV	ITE	
Test Purpose	When an IBCF receives a 200 OK INVITE final response from the other network to			
	forwarded initial INVITE r	equest and network topolo	bgy hiding is required it shall decrypt the	
	Via header URIs when fo	rwarding to the own netwo	rk.	
SIP Parameter values	200 1: VIA: SIP/2.0/[trans			
	SIP/2.0/[trans	sport] Token(SIP/2.0/[trans	port] [any URI 1];branch=[any],	
			port] [any URI 2];branch=[any];	
		tokenized-by=		
		SIP/2.0/[transp	oort] [URI user];branch=[any]	
		sport] [any URI 1];branch=		
		sport] [any URI 1];branch=		
		sport] [user URI];branch=[a	iny]	
Comments	 IUT configured for to 	pology hiding		
	TP_IMST2_IC_INI_03		-	
Message flows	Mx	SUT	lc	
	INVITE	→	→ INVITE	
	180 Ringing	+	 180 Ringing 	
	200 OK INVITE 2	+	 200 OK INVITE 1 	
	ACK	→	→ ACK	
		Apply post test r	outine	

TP number	IBCF_109_004	Reference	5.10.2.2 2B), 5.10.4.2 [1]	
TSS reference	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Encrypt all Via headers in the ACK			
Test Purpose	When an IBCF receives an ACK request from within its own network it encrypts all			
		Is except the one of the IBC tries are result in one encryption of the IBC tries are result in one encryption of the tries are result in the tries are tries are the tries are tries	CF prior to forwarding the request. All oted Via header field.	
SIP Parameter values	Values ACK 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any] VIA: SIP/2.0/[transport] [any URI 2];branch=[any] VIA: SIP/2.0/[transport] [user URI] ;branch=[any]			
	ACK 2: VIA: SIP/2.0/[transport] [URI of IBCF], SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any], (SIP/2.0/[transport] [any URI 2];branch=[any]; tokenized-by=[any host], SIP/2.0/[transport] [user URI] ;branch=[any]			
Comments		-		
Message flows	Мх	SUT	lc	
	INVITE 180 Ringing 200 OK INVITE ACK 1	 → ← ← → Apply post test r 	 → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2 outine 	

TP number	IBCF_109_005	Reference	5.10.2.3 4), 5.10.4.2	[1]	
TSS reference	Exit_Point/nch/bcall				
Selection criteria	PICS 7.1.1/1				
Test Purpose name	Encrypt all Via headers ir	n the BYE			
Test Purpose	When an IBCF receives an SIP BYE request from within its own network and subsequent				
	to an initial request it sha	II add its own URI as the to	ppmost Via header and encrypt	all other	
			networks. All received Via heade	er	
		encrypted Via header field.			
SIP Parameter values	s BYE: 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any]				
		ransport] [any URI 2];brand			
	VIA: SIP/2.0/[t	ransport] [user URI] ;brand	h=[any]		
	-	ransport] [URI of IBCF],			
	SIP/2.0/[t		ansport] [any URI 1];branch=[ar		
			ansport] [any URI 2];branch=[ar	ıy];	
			oy=[any host],		
			insport] [user URI] ;branch=[any	′]	
Comments	IUT configured for topolog	gy hiding			
	TP_IMST2_IC_SUB_01				
Message flows	Mx	SUT	lc		
	A confirmed dialogue is already established				
	BYE 1	→	→ BYE 2		
	200 OK BYE	+	← 200 OK BYE		

TP number	IBCF 109 006	Reference	5.10.2.3, 5.10.4.3 [1]		
		Reference	5.10.2.3, 5.10.4.3 [1]		
TSS reference		Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1				
Test Purpose name	Decrypt the received Via h	eader in the 200 OK BY	E		
Test Purpose	When an IBCF receives a 200 OK BYE response from the other network to a forwarded				
	Bye request and network to	Bye request and network topology hiding is required it shall decrypt the Via header URIs			
	when forwarding to the own network.				
SIP Parameter values	200 1: VIA: SIP/2.0/[transport] [URI of IBCF],				
	SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any],				
	(SIP/2.0/[transport] [any URI 2];branch=[any];				
	tokenized-by=[any host],				
	SIP/2.0/[transport] [URI user];branch=[any]				
	SIF/2.0/[transport][URI user], branch=[any]				
	200 2: VIA: SIP/2.0/[transport] [any URI 1];branch=[any],				
	SIP/2.0/[transport] [any URI 1];branch=[any], SIP/2.0/[transport] [user URI];branch=[any]				
Comments					
Message flows	Mx	SUT	lc		
-	A confirmed dialogue is already established				
	BYE	→	→ BYE		
	200 OK BYE 2	+	← 200 OK BYE 1		

TP number	IBCF_109_007	Reference	5.10.2.2 3) 4), 5.10.4.2 [1]	
TSS reference	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Encrypt all Via headers in the	CANCEL		
Test Purpose	When an IBCF receives an SIP CANCEL request from within its own network and			
	subsequent to an initial request it shall add its own URI as the topmost Via header and			
	encrypt all other Via header prior to forwarding the request to other networks. All received			
		n one encrypted Via header fie		
SIP Parameter values	CANCEL: 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any]			
		insport] [any URI 2];branch=[ar		
	VIA: SIP/2.0/[tra	VIA: SIP/2.0/[transport] [user URI] ;branch=[any]		
	CANCEL 2: VIA: SIP/2.0/[transport] [URI of IBCF],			
	SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any],			
	(SIP/2.0/[transport] [any URI 2];branch=[any];			
	tokenized-by=[any host],			
Comments	SIP/2.0/[transport] [user URI] ;branch=[any]			
Comments	IUT configured for topology hiding TP_IMST2_IC_SUB_01			
Message flows	Mx	SUT	lc	
Message nows	An early dialogue is already established			
	CANCEL 1 → CANCEL 2			
	200 OK CANCEL		200 OK CANCEL	
	Apply post test routine			
	Apply post test routine			

TP number	IBCF 109 008	Reference	5.10.2.3 4), 5.10.4.3 [1]	
TSS reference	Exit Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received Via he	eader in the 200 OK CA	NCEL	
Test Purpose		When an IBCF receives a 200 OK CANCEL response from the other network to a		
	forwarded Bye request and network topology hiding is required it shall decrypt the Via header URIs when forwarding to the own network.			
SIP Parameter values	200 1: VIA: SIP/2.0/[transport] [URI of IBCF],			
	SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any], (SIP/2.0/[transport] [any URI 2];branch=[any]; tokenized-by=[any host], SIP/2.0/[transport] [URI user];branch=[any] 200 2: VIA: SIP/2.0/[transport] [any URI 1];branch=[any], SIP/2.0/[transport] [any URI 1];branch=[any],			
	SIP/2.0/[transport] [user URI];branch=[any]			
Comments				
Message flows	Mx	SUT	lc	
	An early dialogue is already established			
	CANCEL	→	→ CANCEL	
	200 OK CANCEL 2	+	 200 OK CANCEL 1 	
	Apply post test routine			

TP number	IBCF 109 009	Reference	5.10.2.3 1) 3), 5.10.4.2 [1]	
TSS reference	Exit Point/nch/bcall			
Selection criteria	PICS 7.1.1/1	PICS 7.1.1/1		
Test Purpose name	Encrypt all Via headers in th	Encrypt all Via headers in the MESSAGE		
Test Purpose	When an IBCF receives a SIP request other than a SIP REGISTER or SIP INVITE in a standalone transaction from within its own network, it shall add its own URI as the topmost Via header and encrypt all other Via header prior to forwarding the request to other networks. All received Via header entries are result in one encrypted Via header field.			
SIP Parameter values	MESSAGE 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any] VIA: SIP/2.0/[transport] [any URI 2];branch=[any] VIA: SIP/2.0/[transport] [user URI] ;branch=[any]			
	MESSAGE 2: VIA: SIP/2.0/[transport] [URI of IBCF], SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any], (SIP/2.0/[transport] [any URI 2];branch=[any]; tokenized-by=[any host], SIP/2.0/[transport] [user URI] ;branch=[any]			
Comments	TP_IMST2_IC_STA_01			
Message flows	Mx	SUT	lc	
	MESSAGE 1 200 OK MESSAGE	→	 → MESSAGE 2 ← 200 OK MESSAGE 	

TP number	IBCF_109_010	Reference	5.10.2.3 1) 3), 5.10.4.2 [1]		
TSS reference		Reference	0.10.2.3 1) 0), 0.10. 4 .2 [1]		
	Exit_Point/nch/bcall				
Selection criteria	PICS 7.1.1/1				
Test Purpose name		s in the target refresh INVIT			
Test Purpose	When an IBCF receives a target refresh request or periodic refreshment of the session				
		from within its own network it shall respond with a SIP 100 response, add its own URI to			
	the Via header and end	the Via header and encrypt all other Via headers prior to forwarding the request to other			
	networks. All received Via header entries are result in one encrypted Via header field.				
SIP Parameter values	INVITE 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any]				
	VIA: SIP/2.0	0/[transport] [any URI 2];brai	nch=[any]		
	VIA: SIP/2.0/[transport] [user URI] ;branch=[any]				
	INVITE 2: VIA: SIP/2.0/[transport] [URI of IBCF], SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any], (SIP/2.0/[transport] [any URI 2];branch=[any]; tokenized-by=[any host],				
	SIP/2.0/[transport] [user URI] ;branch=[any]				
Comments	IUT configured for topology hiding TP_IMST2_IC_TAR_01				
Message flows	Mx	SUT	lc		
	A confirmed dialogue is already established from the own network				
	INVITE 1				
	100 Trying	←	→ INVITE 2		
	200 OK INVITE	←	← 200 OK INVITE		
	ACK	→	→ ACK		

TP number	IBCF_109_011	Reference	5.10.2.3, 5.10.4.3 [1]		
TSS reference	Exit_Point/nch/bcall				
Selection criteria	PICS 7.1.1/1				
Test Purpose name	Decrypt the received V	ia header in the target refre	sh 200 OK INVITE		
Test Purpose	When an IBCF receive	When an IBCF receives a 200 OK INVITE final response upon a target refresh request or			
	periodic refreshment of	periodic refreshment of the session from the other network to a forwarded reINVITE			
		request and network topology hiding is required it shall decrypt the Via header URIs when forwarding to the own network.			
SIP Parameter values	200 1: VIA: SIP/2.0/[tra	200 1: VIA: SIP/2.0/[transport] [URI of IBCF],			
	SIP/2.0/[tra	ansport] Token(SIP/2.0/[trar	isport] [any URI 1];branch=[any],		
		(SIP/2.0/[trar	sport] [any URI 2];branch=[any];		
		tokenized-by=[any host],			
		SIP/2.0/[transport] [URI user];branch=[any]			
	200 2: VIA: SIP/2.0/[transport] [any URI 1];branch=[any],				
	SIP/2.0/[transport] [any URI 1];branch=[any],				
	SIP/2.0/[transport] [user URI];branch=[any]				
Comments	IUT configured for topology hiding TP_IMST2_IC_INI_03				
Message flows	Мх	SUT	lc		
	A confirmed dialogue is already established from the own network				
	INVITE	→	→ INVITE		
	200 OK INVITE 2	+	← 200 OK INVITE 1		
	ACK	→	→ ACK		
	Apply post test routine				

TP number	IBCF 109 012	Reference	5.10.2.3, 5.10.4.2 [1]	
TSS reference	Exit Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Encrypt all Via head	ders in the target refresh AC	K	
Test Purpose	When an IBCF receives an ACK request upon a target refresh request or periodic refreshment of the session from within its own network it encrypts all received Via header URIs except the one of the IBCF prior to forwarding the request. All received Via header entries are result in one encrypted Via header field.			
SIP Parameter values	ACK 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any] VIA: SIP/2.0/[transport] [any URI 2];branch=[any] VIA: SIP/2.0/[transport] [user URI] ;branch=[any]			
	ACK 2: VIA: SIP/2.0/[transport] [URI of IBCF], SIP/2.0/[transport] Token(SIP/2.0/[transport] [any URI 1];branch=[any], (SIP/2.0/[transport] [any URI 2];branch=[any]; tokenized-by=[any host], SIP/2.0/[transport] [user URI] ;branch=[any]			
Comments				
Message flows	Mx A confirm	SUT ned dialogue is already es	Ic tablished from the own network	
	INVITE 200 OK INVITE ACK 1	 → ← → Apply post te 	 → INVITE ← 200 OK INVITE → ACK 2 	

TP number	IBCF_109_013	Reference	5.10.2.2 3), 5.10.4.2 [1]			
TSS reference	Exit_Point/nch/bcall					
Selection criteria	PICS 7.1.1/1					
Test Purpose name	Encrypt all Record-Ro	ute headers in the initial INVI	TE			
Test Purpose	encrypts all received F forwarding the request	When an IBCF receives an initial SIP INVITE request from within its own network it encrypts all received Record-Route header URIs except the one of the IBCF prior to forwarding the request. All received Record-Route header entries are result in one encrypted Record-Route header field.				
SIP Parameter values		ute: <sip:[any 1]="" uri="">;lr, <sip ute: <sip:[uri ibcf]="" of="">;lr , sip:Token(<sip:[any 1<br="" uri="">tokenized-by=[a</sip:[any></sip:[uri></sip </sip:[any>	1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any>			
Comments			· ·			
Message flows	Mx INVITE1 100 Trying	SUT ➔ ← Apply post test r	Ic → INVITE 2 routine			

TP number	IBCF_109_014	Reference	5.10.2.2 3), 5.10.4.3 [1]		
TSS reference	Exit_Point/nch/bcall	·	· · · · · · · ·		
Selection criteria	PICS 7.1.1/1				
Test Purpose name	Decrypt the received I	Record-Route header in the 1	80 Ringing		
Test Purpose	When an IBCF receives a 180 Ringing provisional response from the other network to a forwarded initial INVITE request and network topology hiding is required it shall decrypt the Record-Route header URIs when forwarding to the own network.				
SIP Parameter values	180 1: Record-Route: <sip:[uri ibcf]="" of="">;lr, sip:Token(<sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr), tokenized-by=[any host]</sip:[any></sip:[any></sip:[uri>				
	y URI 2]>;lr				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing 2	←	 180 Ringing 1 		
		Apply post test r	outine		

TP number	IBCF_109_015	Reference	5.10.2.2 3), 5.10.4.3 [1]			
TSS reference	Exit_Point/nch/bcall					
Selection criteria	PICS 7.1.1/1					
Test Purpose name	Decrypt the received R	ecord-Route header in the 2	00 OK INVITE			
Test Purpose			conse from the other network to a			
			bgy hiding is required it shall decrypt the			
	Record-Route header L	JRIs when forwarding to the	own network.			
SIP Parameter values	200 OK 1: Record-Rout	200 OK 1: Record-Route: <sip:[uri ibcf]="" of="">;lr,</sip:[uri>				
		sip:Token(<sip:[any th="" uri<=""><th>1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any></th></sip:[any>	1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any>			
		tokenized-by=[any host]			
	200 OK 2: Record-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr</sip:[any></sip:[any>					
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
	180 Ringing	+	 180 Ringing 			
	200 OK INVITE 2	+	← 200 OK INVITE 1			
	ACK	→	→ ACK			
		Apply post test r	outine			

TP number	IBCF_109_016	Reference	5.10.2.3 4), 5.10.4.2 [1]				
TSS reference	Exit_Point/nch/bcall						
Selection criteria	PICS 7.1.1/1						
Test Purpose name	Encrypt all Route headers	s in the ACK					
Test Purpose	Route header URIs identi	When an IBCF receives an ACK request from within its own network it encrypts all received Route header URIs identifying entities in the own network except the one of the IBCF prior to forwarding the request. All received Route header entries are result in one encrypted					
SIP Parameter values	ACK 1: Route: <sip:[ar ACK 2: Route: <sip:[ar< th=""><th>ny URI 1]>;lr, <sip:[any u<br="">ny URI 1]>;lr, sip:Token(< tokenized-by=</sip:[any></th><th>sip:[any URI 2]>;lr),</th></sip:[ar<></sip:[ar 	ny URI 1]>;lr, <sip:[any u<br="">ny URI 1]>;lr, sip:Token(< tokenized-by=</sip:[any>	sip:[any URI 2]>;lr),				
Comments	URI 1 represents an entit URI 2 represents an entit	y in the other network					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT → ← → Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2 routine				

TP number	IBCF 109 017	Reference	5.10.2.3 4), 5.10.4.2 [1]			
TSS reference	Exit_Point/nch/bcall					
Selection criteria	PICS 7.1.1/1					
Test Purpose name	Encrypt all Route hea	ders in the reINVITE				
Test Purpose	encrypts all received F one of the IBCF prior	When an IBCF receives an additional SIP INVITE request from within its own network it encrypts all received Route header URIs identifying entities in the own network except the one of the IBCF prior to forwarding the request. All received Route header entries are result in one encrypted Route header field.				
SIP Parameter values	INVITE 1: Record-Ro	ute: <sip:[any 1]="" uri="">;lr, <sip:[aute: 1]="" <sip:[any="" uri="">;lr, sip ute: <sip:[any 1]="" uri="">;lr, sip tokenized-by=[ar</sip:[any></sip:[aute:></sip:[any>	:Token(<sip:[any 2]="" uri="">;lr),</sip:[any>			
Comments		entity in the other network entity in the own network	,			
Message flows	Mx INVITE1	SUT A confirmed dialogue is alre →	→ INVITE 2			
		Apply post test ro				

6.1.5 Application level gateway

6.1.5.1 Treatment of SIP singnaling

TP number	IBCF_110_001	Reference	5.10.5 [1],		
			16.3 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	URI scheme in INVTE unknow	n			
Test Purpose	Ensure that the IUT on receipt	Ensure that the IUT on receipt of an INVITE request from the own networkwith a			
-	Request-URI with a scheme th	at it does not underst	and, sends an Unsupported URI		
	Scheme (416 Unsupported UF	I Scheme) request fa	ilure response.		
SIP Parameter values	INVITE: Request line got:[ar	iy URI]			
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	→			
	416 Unsupported URI Scheme	÷ +			
	ACK	→			

TP number	IBCF_110_002	Reference	5.10.5 [1],
			16.3 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards set to 0 in	INVITE received	
Test Purpose			est from the own network including a nops (483 Too many hops) request
SIP Parameter values	INVITE: Max-Forwards:	0	
Comments			
Message flows	Mx INVITE 483 Too many hops ACK	SUT → ← →	IC

TP number	IBCF_110_003	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header	decreased by one in INVITE	
Test Purpose			est from the own network including a ner network after having decreasing this
SIP Parameter values	INVITE 1: Max-Forwar	ds: 5	
	INVITE 2: Max-Forwar	ds: 4	
Comments			
Message flows	Mx	SUT	lc
-	INVITE 1	→	→ INVITE 2
		Apply post test r	outine

TP number	IBCF 110 004	Refe	rence	5.10.5 [1],
				16.6 [19]
TSS reference	Exit_Point/alg/sip	-		
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Max-Forwards header	not received i	n INVITE	
Test Purpose		, forwards it to		the own network without a r having added a Max-Forwards
SIP Parameter values	INVITE 1: INVITE 2: Max-Forwa	rds: 70		
Comments				
Message flows	Mx		SUT	lc
	INVITE 1	→	→	INVITE 2
		Ар	ply post test routine	

TP number	IBCF_110_005	Reference	5.10.5 [1], 16.6 [19]			
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	Max-Forwards header decr	eased by one in ACK				
Test Purpose		Ensure that the IBCF on receipt of an ACK request from the own network including a Max-Forwards header set to 5, forwards it to the other network after having decreasing this counter of one.				
SIP Parameter values	ACK 1: Max-Forwards: 4 ACK 1: Max-Forwards: 4					
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT → ← ← → Apply post test re	IC → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2			
			outino			

TP number	IBCF_110_006	Reference	5.10.5 [1],		
			16.6 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Max-Forwards header	not received in ACK			
Test Purpose	Ensure that the IBCF on receipt of an ACK request from the own network without a Max-Forwards header, forwards it to the other network after having added a Max-Forwards header with the value set to 70.				
SIP Parameter values	ACK 1: ACK 2: Max-Forwa	rds: 70			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT + + + Apply post test	IC → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2		

TP number	IBCF_110_007	Reference		5.10.5 [1],		
				16.3 [19]		
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	URI scheme in CANCEL unkno	own				
Test Purpose	Ensure that the IBCF on receip	t of a CANCEL request	from t	he own network with a		
	Request-URI with a scheme th	Request-URI with a scheme that it does not understand, sends a Unsupported URI				
	Scheme (416 Unsupported UR	I Scheme) request failur	e resp	oonse.		
SIP Parameter values	CANCEL: Request line got:[an	y URI]				
Comments						
Message flows	Mx	SUT		lc		
	INVITE	→	→	INVITE		
	180 Ringing	÷	←	180 Ringing		
	CANCEL	→		0.0		
	416 Unsupported URI Scheme	+				
	••	Apply post test rout	ine			

TP number	IBCF_110_008	Reference	5.10.5 [1],
			16.3 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards set to 0 ir	n CANCEL received	
Test Purpose	Ensure that the IBCF on receipt of a CANCEL request from the own network including a Max-Forwards header set to 0, sends a Too many hops (483 Too many hops) request failure response.		
SIP Parameter values	CANCEL: Max-Forwards	s: 0	
Comments			
Message flows	Mx INVITE 180 Ringing CANCEL 483 Too many hops	SUT → ← → ← Apply post test	Ic → INVITE ← 180 Ringing

TP number	IBCF_110_009	Reference	5.10.5 [1],
		Reference	
			16.6 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header not rece	eived in CANCEL	
Test Purpose	Ensure that the IBCF on receip	ot of a CANCEL request from t	he own network, without a
	Max-Forwards header, forward	Is it to the other network after I	having added a Max-Forwards
	header with the value set to 70).	C
SIP Parameter values	CANCEL 1:		
	CANCEL 2:		
	Max-Forwards: 70		
Comments			
Message flows	Mx	SUT	lc
	INVITE 🔶	→	INVITE
	180 Ringing 🗧 🗧	+	180 Ringing
	CANCEL 1 -	→ →	CANCEL 2
		Apply post test routine	

TP number	IBCF 110 010	Reference	5.10.5 [1],
			16.3 [19]
TSS reference	Exit_Point/alg/sip		· • •
Selection criteria	PICS 7.1.1/2		
Test Purpose name	URI scheme in Bye unknown		
Test Purpose	Ensure that the IBCF on receipt of a BYE request from the own network with a Request-URI with a scheme that it does not understand, sends an Unsupported URI Scheme (416 Unsupported URI Scheme) request failure response to the own network.		
SIP Parameter values	BYE: Request line got:[any URI]		
Comments			
Message flows	Mx	SUT	lc
	A	session is already e	stablished
	BYE	→	
	416 Unsupported URI Scheme	+	
		Apply post test ro	outine

TP number	IBCF_110_011	Reference	5.10.5 [1],
			16.3 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards set to 0 ir	n BYE received	
Test Purpose		et to 0, sends a Too many h	rom the own network including a nops (483 Too many hops) request
SIP Parameter values	BYE: Max-Forward	s: 0	
Comments			
Message flows	Mx	SUT	lc
-		A session is already e	established
	BYE	→	
	483 Too many hops	÷	
		Apply post test r	outine

TP number	IBCF_110_012	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header	decreased by one in BYE	
Test Purpose	Ensure that the IBCF on receipt of a BYE request from the own network including a Max-Forwards header set to 5, forwards it to the other network after having decreasing this counter of one.		
SIP Parameter values	BYE 1: Max-Forward	ds: 5	
	BYE 1: Max-Forward	ds: 4	
Comments			
Message flows	Mx	SUT A session is already e	lc stablished
	BYE 1	→ Apply post test re	→ BYE 2 putine

TP number	IBCF_110_013	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header	not received in BYE	
Test Purpose			vithout a Max-Forwards header,
	forwards it after having	added a Max-Forwards head	der with the value set to 70.
SIP Parameter values	BYE 1:		
	BYE 2:		
	Max-Forwards:	70	
Comments			
Message flows	Mx	SUT	lc
_	A session is already established		
	BYE 1	→	→ BYE 2
		Apply post test ro	outine

TP number	IBCF_110_014	Reference	5.10.5 [1],	
			16.6 [19]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Not allowed Request I	ine URI paramerter in INVIT	E	
Test Purpose			lest from the own network with the	
			removes this parameter from the	
	Request-URI before for	prwarding that message to the	ne other network.	
SIP Parameter values	INVITE 1: Request lin	INVITE 1: Request line [URI]; UnsupportedToken=UnsupportedValue		
	INVITE: Request lin	e [URI]		
Comments		- [- · · ·]		
Message flows	Mx	SUT	lc	
_	INVITE 1	→	→ INVITE 2	
		Apply post test	routine	

IBCF_110_015	Reference	5.10.5 [1],
		16.6 [19]
Exit_Point/alg/sip		
PICS 7.1.1/2		
Not allowed Request li	ne URI paramerter in ACK	
		InsupportedValue
Mx INVITE 180 Ringing 200 OK INVITE	SUT → ←	Ic → INVITE ← 180 Ringing ← 200 OK INVITE
	Exit_Point/alg/sip PICS 7.1.1/2 Not allowed Request li Ensure that the IBCF of Request-URI containin Request-URI before fo ACK 1: Request line ACK 2: Request line Mx INVITE 180 Ringing	Exit_Point/alg/sip PICS 7.1.1/2 Not allowed Request line URI parametter in ACK Ensure that the IBCF on receipt of an ACK request f Request-URI containing a not allowed parameter, re Request-URI before forwarding that message to the ACK 1: Request line [URI] ;UnsupportedToken=U ACK 2: Request line [URI] Mx SUT INVITE → 180 Ringing €

IBCF_110_016	Reference	5.10.5 [1],
		16.6 [19]
Exit_Point/alg/sip		
PICS 7.1.1/2		
Not allowed Request lir	ne URI paramerter in CANCE	EL
Ensure that the IBCF on receipt of a CANCEL request from the own network with the Request-URI containing a not allowed parameter, removes that parameter from the Request-URI before forwarding that message to the other network.		
		en=UnsupportedValue
Mx INVITE 180 Ringing CANCEL 1	SUT → ← → Apply post test r	Ic → INVITE ← 180 Ringing → CANCEL 2 putine
	Exit_Point/alg/sip PICS 7.1.1/2 Not allowed Request lin Ensure that the IBCF o Request-URI containing Request-URI before for CANCEL 1: Request CANCEL 2: Request Mx INVITE 180 Ringing	Exit_Point/alg/sip PICS 7.1.1/2 Not allowed Request line URI parametter in CANCE Ensure that the IBCF on receipt of a CANCEL requered Request-URI containing a not allowed parameter, receipt of a CANCEL 1: Request-URI before forwarding that message to the CANCEL 1: Request line [URI] ;UnsupportedToke CANCEL 2: Request line [URI] Mx SUT INVITE → 180 Ringing €

TP number	IBCF_110_017	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Not allowed Request line U	RI paramerter in BYE	
Test Purpose		ceipt of a BYE request from the	
	Request-URI containing a n	ot allowed parameter, remove	s that parameter from the
	Request-URI before forward	ding that message to the other	network.
SIP Parameter values	BYE 1:Request line [URI] ;UnsupportedToken=UnsupportedValue		
	BYE 2:Request line [URI]		
Comments			
Message flows	Mx	SUT	lc
_		A session is already established	shed
	BYE 1	→	BYE 2
		Apply post test routine	

TP number	IBCF 110 018	Reference	5.10.5 [1],
		Kelefende	16.7 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	200 OK does not matc	h an existing transaction	
Test Purpose	Ensure that the IBCF, on receipt of a Success (200 OK INVITE) response from the other network that does not match to an existing client transaction with a single Via header, does not forward the message.		
SIP Parameter values	200 OK INVITE: Csec	q: [any value] NOTIFY	
Comments			
Message flows	Mx	SUT	lc
_	INVITE	→	→ INVITE
	180 Ringing	+	 180 Ringing
			← 200 OK
		Apply post test	routine

TP number	IBCF_110_019	Reference	5.10.5 [1],
			17.1.1.2 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	The transaction enter	s in the Proceeding state whe	en 100 was received
Test Purpose		g) response from the other ne	action is in the Calling state, on receipt etwork enters in the Proceeding state.
SIP Parameter values			
Comments			
Message flows	Mx INVITE	SUT →	Ic → INVITE ← 100 Trying
		Apply post test	routine

TP number	IBCF_110_020	Reference	5.10.5 [1],	
			17.1.1.2 [19]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	The transaction enters in the	Proceeding state when 183 wa	as received	
Test Purpose		Ensure that the IBCF, when an INVITE client transaction is in the Calling state, on receipt		
	of a Session Progress (183	Session Progress) response from	m the other network enters in	
	the Proceeding state. The IN	IVITE is not repeated.		
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc	
_	INVITE	\rightarrow \rightarrow	INVITE	
	183 Session Progress	(+	183 Session Progress	
		Apply post test routine		

TP number	IBCF_110_021	Refer	ence	5.10.5 [1],
				17.1.1.2 [19]
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	The transaction enter	s in the Proceed	ing state when 18	30 was received
Test Purpose		ging) response f		on is in the Calling state, on receipt work enters in the Proceeding state.
SIP Parameter values				
Comments				
Message flows	Mx INVITE 180 Ringing	→ ←	SUT	Ic → INVITE ← 180 Ringing
		Арр	ly post test routi	ine

TP number	IBCF_110_022	Reference	5.10.5 [1],
			17.1.1.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/1	
Test Purpose name	UDP Timeout timer A t	he INVITE is repeated	
Test Purpose	transaction is in the Ca		at the IBCF, when an INVITE client E request to the other network on the
SIP Parameter values			
Comments			
Message flows	Mx INVITE	SUT → Start A (T1) Timeout A Apply post test	IC → INVITE → INVITE routine

TP number	IBCF_110_023	l	Reference		5.10.5 [1],	
					17.1.1.1 [1	9]
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.	2.4/2				
Test Purpose name	TCP Timeout timer A the II	VITE	E is not repeated			
Test Purpose	If a reliable transport (TCP	If a reliable transport (TCP) is used, ensure that the IBCF, when an INVITE client			TE client	
	transaction is in the Calling	j state	e does not repeat its	S INVITE I	request to th	e other network
	on the timeout condition of	timer	A set with a value	of T1.		
SIP Parameter values						
Comments						
Message flows	Mx		SUT			lc
	INVITE	→	Start A (T1)	→	INVITE	
			Timeout A			
			Apply post test r	outine		

TP number	IBCF_110_024	Reference	5.10.5 [1],
			17.1.1.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PI	CS 7.2.4/1	
Test Purpose name	UDP Second timeout	timer A the INVITE is repeated	
Test Purpose	transaction is in the C		he IBCF, when an INVITE client ated its INVITE to the other network ding it again.
SIP Parameter values			
Comments			
Message flows	Mx INVITE	SUT →	IC → INVITE
		Start A (2*T1)	→ INVITE
		Timeout A Apply post test rol	→ INVITE utine

TP number	IBCF 110 025	Reference	5.10.5 [1],
			17.1.1.1 [19]
TSS reference	Exit_Point/alg/sip	•	
Selection criteria	PICS 7.1.1/2 AND PICS	6 7.2.4/1	
Test Purpose name	UDP Third timeout time	r A the INVITE is repeated	
Test Purpose		ling state retransmits its INVI	the IBCF, when an INVITE client TE request to the other network with
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→ Start A (4*T1)	 → INVITE → INVITE → INVITE
		Timeout A Apply post test ro	→ INVITE

TP number	IBCF_110_026		Reference		5.10.5 [1],	
					17.1.1.1 [1	
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/1				
Test Purpose name	UDP: No ACK is sent a	after time	out timer B			
Test Purpose	Ensure that the IBCF, v					
	B set to a value of 64*7		s, considers the trans	action t	erminated a	nd does not send
	an ACK to the other ne	twork.				
SIP Parameter values						
Comments	After timeout timer B th	e INVITE	is not retransmitted	and no	ACK is sent	
Message flows	Mx		SUT			lc
_	INVITE	→	Start B (64*T1)	→	INVITE	
			. ,	→	INVITE	
				→	INVITE	
			Timeout B			
			Apply post test ro	utine		

TP number	IBCF 110 027	Reference	5.10.5 [1],			
			17.1.1.1 [19]			
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	1				
Test Purpose name	UDP: ACK is retransmitted unti					
Test Purpose	If an unreliable transport is use					
	is in the Completed state, on re					
	matches the transaction, repea	ts its ACK request until timer D	set to at least 32 second			
	expires.					
SIP Parameter values						
Comments						
Message flows	Mx	SUT	lc			
_	INVITE 🔶	→	INVITE			
	[any final response]	+	[any final response]			
	ACK	Start timer D 🔶	ACK			
	AOR	Clart liner D				
		→ →	[any final response]			
		-	ACK			
		÷	[any final response]			
		→	ACK			
		+	[any final response]			
	Timesut times D					
	Timeout timer D					
		Apply post test routine				

TP number	IBCF_110_028	Reference	5.10.5 [1],	
			17.1.1.1 [19]	
TSS reference	Exit_Point/alg/sip	·		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	/2		
Test Purpose name	TCP: ACK is retransmitted unt	il timeout timer D		
Test Purpose	If a reliable transport is used, ensure that the IBCF, when an INVITE client transaction is in the Completed state, on receipt of a final response from the other network that matches the transaction, repeats its ACK request.			
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc	
	INVITE -	·	INVITE	
	[any final response]	· · · · · · · · · · · · · · · · · · ·	[any final response]	
	ACK 🚽	Start timer D 🔶	ACK	
		+	[any final response]	
		→	ACK	
		+	[any final response]	
		→	ACK	
		+	[any final response]	
		Timeout timer D		
		Apply post test routine		

TP number	IBCF 110 029	Reference	5.10.5 [1],
			17.1.2.2 [19]
TSS reference	Exit_Point/alg/sip	·	· • •
Selection criteria	PICS 7.1.1/2 AND PICS 7	.2.4/1	
Test Purpose name	UDP: BYE is retransmitted	d after timeout timer E	
Test Purpose	If an unreliable transport is	s used, ensure that the IBC	F, when a BYE client transaction is in
	the Trying state having se	nt a BYE request to the oth	ner network, repeats its request after
	timer E set to T1 value exp	pires.	•
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
		A session is already es	stablished
	BYE	→ Start timer E (T1)	→ BYE
		Timeout timer E	→ BYE
		Apply post test ro	utine

TP number	IBCF_110_030	Reference	5.10.5 [1],
			17.1.2.2 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS	S 7.2.4/1	
Test Purpose name	UDP: BYE is retransmi	tted after second timeout timer	r E
Test Purpose	the Trying state having		, when a BYE client transaction is in st to the other network, repeats its xpires.
SIP Parameter values		· · ·	
Comments			
Message flows	Mx	SUT	lc
		A session is already es	tablished
	BYE	→ Start timer E (T1)	→ BYE
		Timeout timer E Start timer E (2*T1)	
		Timeout timer E	_
		Apply post test rou	utine

TP number	IBCF_110_031	Reference	5.10.5 [1], 17.1.2.2 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/1	
Test Purpose name	UDP: BYE is retransmi	tted after third timeout timer E	
Test Purpose	If an unreliable transport is used, ensure that the IUT, when a BYE client transaction is in the Trying state having sent three times a BYE request to the other network, repeats its request after timer E set to the MIN(4*T1,T2) value expires.		
SIP Parameter values		x	
Comments			
Message flows	Mx	SUT	lc
		A session is already es	tablished
	BYE	→ Start timer E (T1)	→ BYE
		Timeout timer E	→ BYE
		Start timer E (4*T1) Timeout timer E	_
		Apply post test rou	utine

TP number	IBCF_110_032	Reference	5.10.5 [1],			
	1201 _ 110_002		17.1.2.2 [19]			
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.	4/1				
Test Purpose name	UDP: BYE is retransmitted a	fter timeout timer E value T2				
Test Purpose		If an unreliable transport is used, ensure that the IBCF, when a BYE client transaction is in the Trying state and the time of T2 is reached, the BYE request is retransmitted to the other network in the time of T2				
SIP Parameter values						
Comments						
Message flows	Mx	SUT	lc			
		A session is already establis	shed			
	BYE 🔶	Start timer E, F (64*T1)	➔ BYE			
		Timeout timer E	➔ BYE			
		Timeout timer E	→ BYE			
		Timeout timer E	→ BYE			
		Timeout timer E	→ BYE			
		Start E (T2)				
		Timeout timer E	→ BYE			
		Apply post test routine)			

TP number	IBCF_110_033	Reference	5.	.10.5 [1],		
			1	7.1.2.2 [19]		
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The BYE is not repeated a	after timeout Timer F				
Test Purpose		s used, ensure that the IBCF, w repeat a BYE request, after time				
SIP Parameter values						
Comments						
Message flows	Mx	SUT		lc		
-	A session is already established					
	BYE	Start timer E, F (64*T1)	→	BYE		
		Timeout timer E	→	BYE		
		Timeout timer E	→	BYE		
		Timeout timer F				
		Apply post test routine	9			

TP number	IBCF_110_034		.10.5 [1], 7.1.2.2 [19]	
TSS reference	Exit_Point/alg/sip	· · ·		
Selection criteria	PICS 7.1.1/2			
Test Purpose name	UDP: BYE Transaction in the	ne terminated state		
Test Purpose	Ensure that the IBCF, when a BYE client transaction is in the Trying state, considers the transaction terminated after 64*T1 duration expires without receiving any final response.			
SIP Parameter values				
Comments				
Message flows	Mx	SUT A session is already established	lc	
	BYE	 Start timer E, F (64 Timeout timer E Timeout timer E 	*T1) → BYE → BYE → BYE	
		Timeout timer F		
	BYE 481 Call/Transaction Does	→ Not Exist ←		

TP number	IBCF_110_035	Reference	5.10.5 [1],
			16.2, 8.2.6.2 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	INVITE received a 100) is sent	
Test Purpose	Ensure that the IBCF,	on receipt of an INVITE requ	lest from the own network, sends a
	provisional (100 Trying	g) response to the own netwo	ork including the headers From, Call-Id,
	CSeq and Via copied	from the INVITE message.	
SIP Parameter values	INVITE:		
	From		
	Call-ID		
	CSeq		
	Via		
	100:		
	From		
	Call-ID		
	CSeq		
	Via		
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	+	
		Apply post test	routine

TP number	IBCF_110_036	Reference	5.10.5 [1],
			16.2, 8.2.6.2, 17.2.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	No tag parameter received in	the INVITE, no tag parameter s	ent in 100
Test Purpose	Ensure that the IBCF, on rece	pipt of an INVITE request from the	ne own network with no "tag"
		a provisional (100 Trying) respo	nse to the own network
	including the same URI and n	o tag in the To header.	
SIP Parameter values	INVITE:		
	To: [any URI] (no ta	ag)	
	100		
	100:		
	To: [any URI] (no ta	ag)	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	INVITE
	100 Trying	÷	
		Apply post test routine	

TP number	IBCF 110 037	Reference	5 10 5 [1]		
IF number	IDCF_110_037	Reference	5.10.5 [1],		
			16.2, 8.2.6.2, 17.2.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	tag parameter receive	d in INVITE, the same tag para	ameter is sent in the 100		
Test Purpose	Ensure that the IBCF,	on receipt of an INVITE reque	est from the own network with a "tag"		
-	set on the To header,	sends a provisional (100 Tryin	g) response to the own network		
	including the same URI and the same tag in the To header.				
SIP Parameter values	INVITE:				
	To: [any UF	RI], tag=[any value]			
	100:				
	To: [any URI], tag=[same value as in INVITE received]				
Comments					
Message flows	Mx	SUT	lc		
-		A session is already e	stablished		
	INVITE	→ ·	→ INVITE		
	100 Trying	←			
	Apply post test routine				

TP number	IBCF 110 038	Referer	nce		5.10.5 [1],		
						17.2.3.2 [19]	
TSS reference	Exit_Point/alg/sip						
Selection criteria	PICS 7.1.1/2						
Test Purpose name	Last response is repea	ated if INVITE rec	quest received	l with sa	me branch j	parameter	
Test Purpose	from the own network,	Ensure that the IBCF in a server INVITE Proceeding state, on receipt of an INVITE request from the own network, including a Via header set with the same branch parameter and sent-by value in the topmost list value, repeats its last response.					
SIP Parameter values	INVITE: Via: 100:						
	Via:						
Comments							
Message flows	Mx INVITE 100 Trying INVITE 100 Taking	→ ← → ←	SUT	→	INVITE	lc	
	100 Trying	-	/ post test ro	utine			

TP number	IBCF_110_039	Reference	5.10.5 [1],
			17.2.1, 17.2.3 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	The same Via header	is sent in the repeated 486 re	esponse
Test Purpose	from the own network	, including a Via header set w	d state, on receipt of an INVITE request vith the same branch parameter and ast response sent to the own network.
SIP Parameter values	INVITE: Via: 486: Via:		
Comments			
Message flows	Mx INVITE 486 Busy Here INVITE 486 Busy Here ACK	SUT → ← → ← → Apply post test	Ic → INVITE ← 486 Busy Here → INVITE ← 486 Busy Here routine

TP number	IBCF 110 040	Reference	5.10.5 [1],
			17.2.2, 17.2.3 [19]
SS reference	Exit_Point/alg/sip		11.2.2, 11.2.0 [10]
Selection criteria	PICS 7.1.1/2		
Fest Purpose name	The same Via header	s sent in the repeated 200 OK	response
Test Purpose		set with the same branch para	ate, on receipt of a BYE request, ameter and sent-by value in the
SIP Parameter values	BYE: Via:		
	200 OK: Via:		
Comments			
Message flows	Mx	SUT	lc
		A session is already es	tablished
	BYE	→	→ BYE
	200 OK BYE	÷	 200 OK BYE
	BYE	→	
	200 OK BYE	+	

TP number	IBCF_110_041	Reference	5.10.5 [1], 9.2, 16.10 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	The same Via header in C/	ANCEL recived as in IN	/ITE
Test Purpose	including a Via header set	with the same branch pa	ng state, on receipt of a CANCEL, arameter and sent-by value with the success (200 Success) response to
SIP Parameter values			
Comments			
Message flows	Mx INVITE 100 Trying CANCEL 200 OK CANCEL 487 Request Terminated ACK	SUT → ← + ← ← + →	INVITE 100 Trying CANCEL 200 OK CANCEL 487 Request Terminated ACK

TP number	IBCF_110_042	Reference	5.10.5 [1], 13.3.1.4, 17.2.3.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	State change from the	Proceeding state into the C	Completed state
Test Purpose	Ensure that the IBCF enters in the Complete		ing state, after sending a 4XX response,
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	+	 100 Trying
	486 Busy Here	+	← 486 Busy Here
	5		→ ACK
	486 Busy Here	+	
	ACK	→	

TP number	IBCF_110_043	Reference)	5.10.5 [1],
				13.3.1.4, 17.2.3.1 [19]
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	State change from the	Proceeding state in	to the Confirmed	state
Test Purpose	Ensure that the IBCF i enters in the Confirme		completed state, o	on receipt of an ACK request,
SIP Parameter values				
Comments				
Message flows	Mx		SUT	lc
	INVITE	→	→	INVITE
	486 Busy Here	+	+	486 Busy Here
	ACK	→	→	ACK

TP number	IBCF_110_044	eference	5.10.5 [1]	
			15.1.2 [19	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	481 response to a BYE request			
Test Purpose	Ensure that the IBCF, while no di sends a Call/Transaction does no			
SIP Parameter values		·		·
Comments				
Message flows	Mx		SUT	lc
-	BYE	→		
	481 Call/Transaction does not ex	ist 🗲		

TP number	IBCF_110_045	Reference	5.10.5 [1],
			17.2.1, Annex A [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS 7.	2.4/1	
Test Purpose name	Final response repeated a	fter timeout timer G	
Test Purpose		epeats its response sent to	-, when an INVITE server transaction the own network on the timeout
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE 180 Ringing	→	 → INVITE ← 180 Ringing ← 403 Forbidden
	403 Forbidden 403 Forbidden ACK	 ← Start timer G (T1) ← Timeout timer G → 	

TP number	IBCF_110_046	Reference	5.10.5 [1],
			17.2.1, Annex A [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2	2.4/2	
Test Purpose name	Final response is not repeat	ed after timeout timer G	
Test Purpose	If a reliable transport (TCP) transaction is in the Comple the timeout condition of time	ted state does not repeat it	ts response to the own network on
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE 180 Ringing	→ ←	 → INVITE ← 180 Ringing ← 403 Forbidden
	403 Forbidden	 Start timer G (T1) Timeout timer G 	
	ACK	→	

TP number	IBCF 110 047	Reference	5.10.5 [1],			
			17.2.1, Annex A [19]			
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	4/1				
Test Purpose name	Final response repeated afte	r second timeout timer G				
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction is in the Completed state and having already sent twice times its response to the own network, repeats it after timer G set MIN(2*T1,T2) value expires.					
SIP Parameter values		· · ·				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→ →	INVITE			
	180 Ringing	←	roorkinging			
	403 Forbidden	 Start timer G (T1) 				
	403 Forbidden	 Timeout timer G Start timer G (2*T1) 				
		 Timeout timer G 				

TP number	IBCF_110_048		Reference		5.10.5 [1], 17.2.1, Annex A [19]		
TSS reference	Exit_Point/alg/sip						
Selection criteria	PICS 7.1.1/2 AND PI	CS 7.2.4/1					
Test Purpose name	Final response repeat	ted after th	ird timeout timer G				
Test Purpose	is in the Completed st	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction is in the Completed state and having already sent three times its response to the own network, repeats it after timer G set the MIN(4*T1,T2) value expires.					
SIP Parameter values							
Comments							
Message flows	Mx INVITE 180 Ringing	→ +	SUT	→	Ic INVITE 180 Ringing 403 Forbidden		
	403 Forbidden 403 Forbidden 403 Forbidden 403 Forbidden ACK	+ + + + + +	Start timer G (T1) Timeout timer G Start timer G (2*T1) Timeout timer G Start timer G (4*T1) Timeout timer G				

TP number	IBCF_110_049	Reference		5.10.5 [1],	
			1	7.2.1, Anr	nex A [19]
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	The terminated state is entered	after timer	H was expired		
Test Purpose	Ensure that the IBCF, when an I	NVITE ser	ver transaction is in t	he Compl	eted state and,
	enters in the Terminated state a	fter timer H	set to 64*T1 value e	expires.	
SIP Parameter values					
Comments					
Message flows	Mx		SUT		lc
	INVITE	→		→	INVITE
	180 Ringing	÷		÷	180 Ringing
				÷	403 Forbidden
	403 Forbidden	+	Start timer H (64*T	1)	
			Timeout timer H		
	ACK	→			
	481 Call/Transaction does not e	xist 🗲			

TP number	IBCF 110 050		Reference		5.10.5 [1],		
					17.2.1, Annex A [19]		
TSS reference	Exit_Point/alg/sip		-				
Selection criteria	PICS 7.1.1/2 AND P	ICS 7.2.4	/1				
Test Purpose name	Final response is not	t repeated	d after timeout timer H				
Test Purpose	is in the Completed	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction is in the Completed state and, does not repeats its response sent to the own network after					
SIP Parameter values	timer H set to 64*T1	value exp	mes.				
Comments							
	Mx		SUT		lc		
Message flows	INVITE 180 Ringing	→ ←	301	→ + +	INVITE 180 Ringing 403 Forbidden		
	403 Forbidden 403 Forbidden 403 Forbidden	+ + +	Start timer H (64*T1)				
			Timeout timer H				
			Apply post test routir	ne			

TP number	IBCF_110_051	Reference		5.10.5	[1],		
					Annex A [19]		
TSS reference	Exit_Point/alg/sip						
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/1						
Test Purpose name	The terminated state is entered a	The terminated state is entered after timer I was expired					
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transactio is in the Confirmed state, enters in the Terminated state after timer I set to T4 value expires.						
SIP Parameter values	•						
Comments							
Message flows	Mx		SUT		lc		
_	INVITE	→		→	INVITE		
	180 Ringing	←		←	180 Ringing		
	403 Forbidden	←		←	403 Forbidden		
	ACK	→	Start timer I (T4))			
	ACK	→	. ,				
			Timeout timer I				
	ACK	→					
	481 Call/Transaction does not ex	xist 🗲					

TP number	IBCF_110_052	Reference	5.10	.5 [1]],	
			17.2	.1, A	nnex A [19]	
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/2					
Test Purpose name	The server enters immediately in	n the terminate	ed state			
Test Purpose	If a reliable transport is used, en	If a reliable transport is used, ensure that the IBCF, when an INVITE server transaction i				
_	in the Confirmed state, enters in	mediately in t	he Terminated state.			
SIP Parameter values		-				
Comments						
Message flows	Mx		SUT		lc	
	INVITE	→		→	INVITE	
	180 Ringing	÷		←	180 Ringing	
	403 Forbidden	÷		←	403 Forbidden	
	ACK	→	Start timer I (T4)			
	ACK	→				
	481 Call/Transaction does not e	xist 🗲				

TP number	IBCF_110_053	Reference	5	.10.5 [1	1],
				-	Annex A [19]
TSS reference	Exit_Point/alg/sip		· · ·		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/1				
Test Purpose name	Enters from the completed state	e into the teri	minated state		
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when a BYE server transaction is in the Completed state, on receipt of the repetitions of the BYE request, retransmits its response until the timer J set to 64*T1 expires.				
SIP Parameter values	·				
Comments					
Message flows	Mx	S	UT		lc
	As	session is al	Iready established		
	BYE	→		→	BYE
	200 OK BYE	+	Start timer J (64*T) ←	200 OK BYE
	BYE	→			
	200 OK BYE	+			
	BYE	→	Timeout timer J		
	481 Call/Transaction does not e	_			

TP number	IBCF 110 054	Reference	5.10.5 [1],			
			8.1 [19]			
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The Contact header in t	the sent INVITE				
Test Purpose	When the IBCF receive	s in INVITE request from the	e own network, ensure that an INVITE is			
	sent to the other networ	rk and the Contact header c	ontains the URI of the IBCF.			
SIP Parameter values	INVITE:					
	Contact: <[U	RI of IBCF]>				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
		Apply post test routine				

TP number	IBCF_110_055	Reference	5.10.5 [1],				
TSS reference	Exit_Point/alg/sip	Exit Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	/4 AND PICS 7.2.4/5					
Test Purpose name	An IPv6 Address in the Conta	ct header in the sent INVI	ГЕ				
Test Purpose	INVITE is sent to the other IP	When the IBCF receives in INVITE request from the own IPv\$ network, ensure that an INVITE is sent to the other IPv6 network and when the Contact header containes an IP address it is an IPv6 address identifying the IBCF.					
SIP Parameter values	INVITE 2: Contact: <[5555::aa	a.ppp.ccc.qqqj>					
Comments	The IPv6 address is an exam						
Message flows	Mx	SUT	lc				
-	INVITE 1		→ INVITE 2				
		Apply post test routine					

TP number TSS reference	IBCF_110_056 Exit_Point/alg/sip	Reference	5.10.5 [1],			
Selection criteria		CS 7.2.4/3 AND PICS 7.2.4/6				
Test Purpose name		e Contact header in the sent				
Test Purpose	INVITE is sent to the	When the IBCF receives in INVITE request from the own IPv6 network, ensure that an INVITE is sent to the other IPv4 network and when the Contact header contains an IP address it is an IPv4 address identifying the IBCF.				
SIP Parameter values	INVITE 2:					
	Contact: <	[aaa.bbb.ccc.ddd]>				
Comments	The IPv4 address is a	an example not a real value				
Message flows	Mx	SUT	lc			
_	INVITE 1	→	→ INVITE 2			
	Apply post test routine					

TP number	IBCF_110_057	Reference	5.10.5 [1],	
TSS reference	Exit_Point/alg/sip	· · · · · · · · · · · · · · · · · · ·		
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Network address trans	slation in the Contact heade	r in the sent INVITE	
Test Purpose	When the IBCF receives in INVITE request from the own network, ensure that an INVITE is sent to the other network and when the Contact header contains an IP address not equal to the address received from the own network.			
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc	
_	INVITE 1	→	→ INVITE 2	
	Apply post test routine			

TP number	IBCF_110_058	Reference	5.10.5 [[1],	
			19.1.1 [19]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Unknown uri paramete	r in the Contact header		
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the own network inclu			
	non-understood uri-parameters in the SIP-URI of the Contact header forwards the			
	message to the other n	etwork.		
SIP Parameter values	INVITE:			
	Contact: <[a	ny URI]>;unknown=nonunde	rstood	
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→	→ INVITE	
		Apply post test re	outine	

TP number	IBCF_110_059	Reference	5.10.5 [1],		
			19.1.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Header parameter pre	sent in the Contact header			
Test Purpose	Ensure that the IBCF of	Ensure that the IBCF on receipt of an INVITE request from the own network including a			
	header parameter in th	ne SIP-URI of the Contact he	ader forwards the message to the other		
	network.		-		
SIP Parameter values	INVITE:				
	Contact: <[a	any URI]>;h1=%			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
		Apply post test r	outine		

TP number	IBCF_110_060	Reference	5.10.5 [1],	
			19.1.1 [19]	
TSS reference	Exit_Point/alg/sip	·	· • •	
Selection criteria	PICS 7.1.1/2			
Test Purpose name	method uri parameter	present in the Contact heade	er	
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the own network including a method parameter set to "INVITE" in the SIP-URI of the Contact header forwards the message to the other network.			
SIP Parameter values	INVITE:	any URI];method=INVITE>		
Comments	L			
Message flows	Мх	SUT	lc	
	INVITE	→ Apply post test	→ INVITE	

TP number	IBCF_110_061	Reference	5.10.5 [1],	
			19.1.1 [19]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	One Via header is sen	t to the other network		
Test Purpose		Ensure that the IBCF sends an INVITE request to the other network when an INVITE request was received from the own network and one Via header entry is present identifying		
		from the own network and on d Via header entries are not i		
SIP Parameter values	INVITE 2:			
	Via: SIP/2.0)/[any transport] [URI of IBCF];branch=z9hG4bK	
Comments				
Message flows	Mx	SUT	lc	
	INVITE 1	→	→ INVITE 2	
		Apply post test r	outine	

TP number	IBCF_110_062	Reference	5.10.5 [1],		
			19.1.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/4 AND PICS 7.2.4/5	5		
Test Purpose name	The Via header URI is	a IPv6 address			
Test Purpose	value identifying the IB	When the IBCF sends an INVITE request to the other IPv6 network and the Via header value identifying the IBCF is an IP address, ensure that the IP address in the Via header is			
	an IPv6 address.				
SIP Parameter values	INVITE 2: Via: SIP/2.0/[any transport] [[5555::aaa:bbb:ccc:ddd]:>port>];branch=[any value]				
			Dicccidddj:>port>j;branch=[any value]		
Comments	The IP v6 address is an example not a real value				
Message flows	Mx	SUT	lc		
	INVITE 1	→	→ INVITE 2		
	Apply post test routine				

TP number	IBCF_110_063	Reference	5.10.5 [1],
			19.1.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/3	3 AND PICS 7.2.4/6	
Test Purpose name	The Via header URI is a IP v4	address	
Test Purpose	When the IBCF sends an INVI		
	value identifying the IBCF is an	IP address, ensure that the IF	address in the Via header is
	an IPv4 address.		
SIP Parameter values	INVITE 2:		
	Via: SIP/2.0/[any transp	ort] [aaa.bbb.ccc.ddd: <port>];b</port>	ranch=[any value]
Comments	The IP v4 address is an examp	le not a real value	
Message flows	Mx	SUT	lc
_	INVITE 1 →	→	INVITE 2
		Apply post test routine	

TP number	IBCF_110_064	Reference	5.10.5 [1],
			19.1.1 [19]
TSS reference	Exit_Point/alg/sip	· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Network address trans	slation in the Via header in th	ne sent INVITE
Test Purpose	identifying the IBCF is		her network and the Via header value the IP address in the Via header is not work.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE 1	→	→ INVITE 2
		Apply post test	routine

TP number	IBCF_110_065	Reference	5.10.5 [1],		
			7.3.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Via header branch para	meter with upper and lower	cases		
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the own network including a				
		d with upper and lower case	es in Via header forwards the message		
	to the other network.				
SIP Parameter values	INVITE:				
	Via: SIP/2.0/[any transport] [any URI];BrA	nCH=z9hG4bK		
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
		Apply post test ro			
TP number	IBCF_110_066	Reference	5.10.5 [1],		
			7.2 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Successful final response with non-defined response code received				
Test Purpose			ITE request from the own network, on		
			efined last two digits forwards the		
	message to the other ne	etwork.			
SIP Parameter values	299 OK				
	CSeq: [any va	alue] INVITE			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	←	 180 Ringing 		
	299 OK INVITE	+	 299 OK INVITE 		
		Apply post test ro	putine		

TP number	IBCF_110_067	Refe	rence		5.10.5 [1],
					7.2 [19]
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Successful final respo	onse with unkno	wn reason phrase	recei	ived
Test Purpose	Ensure that the IBCF after having forwarded an INVITE request from the own network, on receipt of a Success (200 PERFECT) response with an unknown reason phrase forwards				
	the message to the of		, .		
SIP Parameter values	200 OK PERFECT:				
Comments					
Message flows	Mx		SUT		lc
_	INVITE	→		→	INVITE
	180 Ringing	÷		←	180 Ringing
	200 OK	+		←	200 OK
		Ар	oly post test routi	ine	

TP number	IBCF_110_068	Reference	5.10.5 [1],
			8.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	From header field in the	e sent INVITE	
Test Purpose	When the IBCF receives an INVITE request from the own network, an INVITE reques		
-	sent to the other netwo	rk. Ensure that the 'tag' value	e of the sent From header field is
		received from the own netw	
SIP Parameter values	INVITE 2:		
	From: <[any	URI]>;tag=[any value]	
Comments			
Message flows	Mx	SUT	lc
_	INVITE 1	→	→ INVITE 2
		Apply post test re	outine

TP number	IBCF_110_069	Reference		5.10.5 [1],
				8.1 [19]
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	To header field in the s	sent INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own network, an INVITE request is sent to the other network. Ensure that no 'tag' value is present in the To header field in t			
	INVITE sent to the oth	er network.		
SIP Parameter values	INVITE 2:			
	To: <[any U	RI]>		
Comments				
Message flows	Mx	ç	SUT	lc
	INVITE 1	→	→	INVITE 2
		Apply po	st test routine	

TP number	IBCF_110_070	Refere	ence		5.10.5 [1]
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	To tag in the sent 180)			
Test Purpose		e own network. I	nsure that the '	tag' va	her network, a 180 Ringing lue sent to the own network is
SIP Parameter values					
Comments					
Message flows	Мх		SUT		lc
	INVITE	→		→	INVITE
	180 Ringing	+		←	180 Ringing
		Арр	y post test rou	itine	

TP number	IBCF_110_071	Reference	5.10.5 [1]
TSS reference	Exit_Point/alg/sip		· · · · · · · · · · · · · · · · · · ·
Selection criteria	PICS 7.1.1/2		
Test Purpose name	To tag in the sent 183		
Test Purpose		se is sent to the own netw	response from the other network, a 183 work. Ensure that the 'tag' value sent to from the other network.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	183 Session Progress	÷	 183 Session Progress
		Apply post test	routine

TP number	IBCF_110_072	Reference	5.10.5 [1],	
			7.3. [19]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Headers with short na	ame included		
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the own network including headers set with short names forwards the message to the other network.			
SIP Parameter values	INVITE: f: <[any UR t: <[any UR	RI]>;tag=[any value] RI]>		
Comments				
Message flows	Mx INVITE	SUT →	Ic → INVITE	
		Apply post test	routine	

TP number	IBCF_110_073	Reference	5.10.5 [1],		
			7.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	SIP version in request line in lower cases				
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the own network with SIP version in lower case forwards the message to the other network.				
SIP Parameter values	INVITE: sip: [any URI]sip/2.0				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	Apply post test routine				

TP number	IBCF_110_074	Reference	5.10.5 [1],		
			7.3.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	SIP header field name	s in upper and lower cases			
Test Purpose	Ensure that the IBCF of	Ensure that the IBCF on receipt of an INVITE request from the own network including			
	headers named with u	pper and lower cases forward	is the message to the other network.		
SIP Parameter values	INVITE:				
	frOM: <[any	v URI]>;tag=[any value]			
	tO: <[any U	RI]>			
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	→	→ INVITE		
		Apply post test r	outine		

TP number	IBCF_110_075	Reference	5.10.5 [1],		
			19.1.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	'transport' parameter	in From and To header			
Test Purpose	Ensure that the IBCF	on receipt of an INVITE requ	est from the own network including a		
	transport parameter in	n the From and To headers, ig	nores them and forwards the message		
	to the other network.	-			
SIP Parameter values	INVITE:				
	From: <sip:[any transport]="" uri];transport="[any">;tag=[any value]</sip:[any>				
	To: <sip:[a< th=""><th>ny URI];transport=[any transpo</th><th>prt]></th></sip:[a<>	ny URI];transport=[any transpo	prt]>		
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	→	→ INVITE		
		Apply post test r	outine		

TP number	IBCF_110_076	Referer	ice	5.10.5 [1]
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Call-ID in the sent INV	ITE establishes a	new call leg	
Test Purpose		ork. Ensure that the		etwork, an INVITE request is lifferent from the Call-ID value
SIP Parameter values	INVITE 2: Call-ID: [an	y value]		
Comments				
Message flows	Mx		SUT	lc
	INVITE 1	→ Apply	→	INVITE 2
		Арріу	post test routine	

TP number	IBCF_110_077	Reference	5.10.5 [1],	
			21.4.1 [19]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	INVITE request withou	t Call-ID header not supported	d	
Test Purpose	Ensure that the IUT, on receipt of an INVITE request from the own network without Call-Id			
	header sends a Bad R	equest (400 Bad Request) res	sponse.	
SIP Parameter values	INVITE:			
	Call-ID head	der not present		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→		
	400 Bad Request	+		
	ACK	→		

TP number	IBCF_110_078	Reference	5.10.5 [1],
			21.4.1 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PI	CS 7.2.4/2	
Test Purpose name	INVITE request with s	several CRLF before start	-line supported
Test Purpose			uest from the own network over a RLF before the start-line, forwards the
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	
		Apply post te	est routine

TP number	IBCF_110_079	Reference	5.10.5 [1],		
			16.6 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	The Record-Route hea	ader in the sent INVITE			
Test Purpose		When the IBCF receives an INVITE request from the own network ensure that an INVITE			
	request is sent to the o	ther network and one Record	d-Route header entry is present		
	containing the address	of the IBCF. The received re	oute set is not present.		
SIP Parameter values	INVITE 2:				
	Record-Rou	te: <sip:[uri ibcf];ir="" of=""></sip:[uri>			
Comments					
Message flows	Mx	SUT	lc		
	INVITE 2	→	→ INVITE 2		
		Apply post test r	outine		

TP number	IBCF_110_080	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/4 AND PICS 7.2.4/5			
Test Purpose name	IPv6 address in the R	ecord-Route header in the se	ent INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own IPv4 network ensure that an INVITE request is sent to the other IPv6 network and the Record-Route header contains an IP address identifying the IBCF it is an IPv6 address.				
SIP Parameter values	INVITE 2: Record-Route: <sip:[55555::aaa:bbb:ccc:ddd];ir></sip:[55555::aaa:bbb:ccc:ddd];ir>				
Comments		• •	-		
Message flows	Mx INVITE	SUT ➔	Ic → INVITE		
		Apply post test routine			

		Apply post test r	outine
	INVITE	→	→ INVITE
Message flows	Мх	SUT	lc
Comments			
	Record-Ro	oute: <sip:[aaa.bbb.ccc.ddd];lr:< th=""><th>></th></sip:[aaa.bbb.ccc.ddd];lr:<>	>
SIP Parameter values	INVITE 2:		
	contains an IP addres	ss identifying the IBCF it is an	IP v4 address.
			nd when the Record-Route header
Test Purpose	When the IBCF received	ves an INVITE request from th	ne own IPv6 network ensure that an
Test Purpose name	IPv4 address in the R	ecord-Route header in the se	ent INVITE
Selection criteria	PICS 7.1.1/2 AND PI	CS 7.2.4/4 AND PICS 7.2.4/6	
TSS reference	Exit_Point/alg/sip		
TP number	IBCF_110_081	Reference	5.10.5 [1]

TP number	IBCF_110_082	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	GRUU received in Contact header GRUU is snet				
Test Purpose	When an IBCF processes a SIP request or response that contains a contact address which is a Globally Routable User agent URI (GRUU), it shall replace the contact address with an address which is also a GRUU.				
SIP Parameter values	INVITE Contact header GRUU 200 OK: Contact header GRUU	·			
Comments					
Message flows	MxINVITE→180 Ringing←200 OK INVITE←	SUT → ← Apply post test routine	Ic INVITE 180 Ringing 200 OK INVITE		

TP number	IBCF_110_083	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sip	·			
Selection criteria	PICS 7.1.1/2				
Test Purpose name	No GRUU received in Contact header no GRUU is snet				
Test Purpose	When an IBCF processes a SIP request or response that contains a contact address which is not a Globally Routable User agent URI (GRUU), it shall replace the contact address with an address which is not a GRUU.				
SIP Parameter values	INVITE: Contact header no GRUU 200 OK: Contact header no GRUU				
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE routine		

TP number	IBCF_111_001 Reference 5.10.5 [1]				
TSS reference	Exit_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Network address translation in the o line of the INVITE				
Test Purpose	When the IBCF receives an INVITE request from its own network and the 'o' line contains				
-	the IP address from the owner/creator in the own network, ensure that an INVITE request				
	is sent to the other network and the SDP contains an 'o' line the IP address is set to the IP				
	address of the IBCF of the own network.				
SIP Parameter values	INVITE 1:				
	SDP				
	o=[any value] [any value] [any value] IN IP4 [IP address owner (PIXIT)]				
	Of				
	o=[any value] [any value] [any value] IN IP6 [IP address owner (PIXIT)]				
	INVITE 2:				
	SDP				
	o=[any value] [any value] [any value] IN IP4 [IP address IBCF]				
	or				
	o=[any value] [any value] [any value] IN IP6 [IP address IBCF]				
Comments					
Message flows	Mx SUT Ic				
	INVITE 1				
	Apply post test routine				
1	Apply post test routine				

6.1.5.2 Treatment of session and media description

TP number	IBCF 111 002	Reference	5.10.5 [1]		
TSS reference	Exit Point/alg/sdp				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	4 AND PICS 7.2.4/5			
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the o line of the INVIT	Ξ		
Test Purpose	When the IBCF receives an INVITE request from its own network and the 'o' line contains the IP address from the owner/creator in the own network and is an IPv4 address, ensure that an INVITE request is sent to the other network and the SDP contains an 'o' line the IP address is set to the IPv6 address of the IBCF of the own network.				
SIP Parameter values	INVITE 1: SDP o=[any value] [ar INVITE 2: SDP	ny value] [any value] IN IP4 [IP	address owner (PIXIT)]		
	o=[any value] [any value] [any value] IN IP6 [IP address IBCF]				
Comments					
Message flows	Mx	SUT	lc		
	INVITE 1 →	INVITE 1 INVITE 2			
	Apply post test routine				

TP number	IBCF_111_003	Reference	5.10.5 [1]	
TSS reference	Exit_Point/alg/sdp		· · · ·	
Selection criteria	PICS 7.1.1/2 AND PI	CS 7.2.4/4 AND PICS 7.2.4/6	3	
Test Purpose name	IPv4 to IPv6 IP version interworking in the o line of the INVITE			
Test Purpose	When the IBCF receives an INVITE request from its own network and the 'o' line contains the IP address from the owner/creator in the own network and is an IPv6 address, ensure that an INVITE request is sent to the other network and the SDP contains an 'o' line the IP address is set to the IPv4 address of the IBCF of the own network.			
SIP Parameter values	INVITE 2: SDP] IN IP6 [IP address owner (PIXIT)]	
Comments	o=lana	value] [any value] [any value	j IN IP4 [IP address IBCF]	
Message flows	Мх	SUT	lc	
	INVITE 1 Apply post test routine INVITE 2			

TP number	IBCF 111 004	Reference	5.10.5 [1]			
TSS reference	Exit Point/alg/sdp	Kelerenee	[0:10:0[1]			
Selection criteria	PICS 7.1.1/2					
Test Purpose name		slation in the o line of the 20				
Test Purpose		When the IBCF receives a 200 OK INVITE response from the other network and the 'o' line				
	contains the IP addres	contains the IP address from the owner/creator in the other network, ensure that a 200 OK				
	INVITE response is se	INVITE response is sent to its own network and the SDP contains an 'o' line the IP address				
	is set to the IP address of the IBCF of the own network.					
SIP Parameter values	200 OK 1:					
	SDP					
		value] [any value] [any value] IN IP4 [IP address owner (PIXIT)]			
	or					
		value] [any value] [any value	1 IN IP6 [IP address owner (PIXIT)]			
	o=[any value] [any value] [any value] IN IP6 [IP address owner (PIXIT)]					
	200 OK 2:					
	SDP					
	o=[any value] [any value] [any value] IN IP4 [IP address IBCF]					
	or					
	o=[any	o=[any value] [any value] [any value] IN IP6 [IP address IBCF]				
Comments						
Message flows	Mx	SUT	lc			
-	INVITE	→	→ INVITE			
	180 Ringing	←	← 180 Ringing			
	200 OK INVITE 2					
	Apply post test routine					
		Apply post test	louume			

TP number	IBCF 111 005	Reference	5.10.5 [1]		
TSS reference	Exit Point/alg/sdp		0.1010 [1]		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4 AND PICS 7.2.4/6				
			-		
Test Purpose name	IPv4 to IPv6 IP version interworking in the o line of the 200 OK INVITE				
Test Purpose			nse from the other network and the 'o' line		
			the other network and is an IPv4		
	address, ensure that a	a 200 OK INVITE response	is sent to its own network and the SDP		
	contains an 'o' line the	IP address is set to the IP	v6 address of the IBCF of the own		
	network.				
SIP Parameter values	200 OK 1:				
	SDP				
	o=[any value] [any value] [any value] IN IP4 [IP address owner (PIXIT)]				
	200 OK 2:				
	SDP				
	o=[any value] [any value] [any value] IN IP6 [IP address IBCF]				
Comments					
		0.17			
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	+	 180 Ringing 		
	200 OK INVITE 2	÷	 200 OK INVITE 1 		
	Apply post test routine				

			E 40 E [4]	
TP number	IBCF_111_006	Reference	5.10.5 [1]	
TSS reference	Exit_Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/4 AND PICS 7.2.4/	5	
Test Purpose name	IPv4 to IPv6 IP version	IPv4 to IPv6 IP version interworking in the o line of the 200 OK INVITE		
Test Purpose	contains the IP addres address, ensure that a	When the IBCF receives a 200 OK INVITE response from the other network and the 'o' line contains the IP address from the owner/creator in the other network and is an IPv6 address, ensure that a 200 OK INVITE response is sent to its own network and the SDP contains an 'o' line the IP address is set to the IPv4 address of the IBCF of the own network.		
SIP Parameter values	200 OK 2: SDP	value] [any value] [any value value] [any value] [any value	e] IN IP6 [IP address owner (PIXIT)] e] IN IP4 [IP address IBCF]	
Comments	. ,			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 routine	

TP number	IBCF_111_007 Reference 5.10.5 [1]			
TSS reference	Exit_Point/alg/sdp			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Network address translation in the c line of the INVITE			
Test Purpose	When the IBCF receives an INVITE request from its own network and the 'c' line contains the IP address from the data connection in the own network, ensure that an INVITE request is sent to the other network and the SDP contains a 'c' line the IP address is set to the IP address of the TrGW of the own network.			
SIP Parameter values	INVITE 1: SDP c=IN IP4 [data connection address (PIXIT)] or c=IN IP6 [data connection address (PIXIT)]			
	INVITE 2: SDP c=IN IP4 [IP address TrGW or c=IN IP6 [IP address TrGW]			
Comments				
Message flows	Mx SUT Ic INVITE 1 → → INVITE 2			
	Apply post test routine			

TP number	IBCF_111_008	Reference	5.10.5	1]
TSS reference	Exit_Point/alg/sdp		`	-
Selection criteria	PICS 7.1.1/2 AND PICS	7.2.4/4 AND PICS 7.2.4/	5	
Test Purpose name	IPv4 to IPv6 IP version interworking in the c line of the INVITE			
Test Purpose	When the IBCF receives an INVITE request from its own network and the 'c' line contains the IP address from the data connection in the own network and is an IPv4 address, ensure that an INVITE request is sent to the other network and the SDP contains a 'c' line the IP address is set to the IPv6 address of the TrGW of the own network.			
SIP Parameter values	s INVITE 1: SDP c=IN IP4 [data connection address (PIXIT)]			
	INVITE 2: SDP c=IN IP6 [IP address TrGW			
Comments		•		
Message flows	Mx INVITE 1	SUT ➔ Apply post test	→ INVITE	Ic 2

TP number	IBCF 111 009	Reference	5.10.5 [1]	
TSS reference	Exit_Point/alg/sdp	1		
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/4 AND PICS 7.2.4/5		
Test Purpose name	IPv4 to IPv6 IP version interworking in the c line of the INVITE			
Test Purpose	When the IBCF receives an INVITE request from its own network and the 'c' line contains the IP address from the data connection in the own network and is an IPv6 address, ensure that an INVITE request is sent to the other network and the SDP contains a 'c' line the IP address is set to the IPv4 address of the TrGW of the own network.			
SIP Parameter values	INVITE 1: SDP c=IN IP6 [data connection address (PIXIT)]			
	INVITE 2: SDP c=IN IP4 [IP address TrGW			
Comments				
Message flows	Mx INVITE 1	SUT ➔ Apply post test	Ic → INVITE 2 routine	

TP number		Reference	E 10 E [1]			
	IBCF_111_010	Reference	5.10.5 [1]			
TSS reference	Exit_Point/alg/sdp					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	Network address transl	lation in the c line of the 20) OK INVITE			
Test Purpose	When the IBCF receive	When the IBCF receives a 200 OK INVITE response from the other network and the 'c' line				
	contains the IP address	s from the data connection	n the other network, ensure that a 200			
	OK INVITE response is	s sent to its own network an	d the SDP contains a 'c' line the IP			
		address of the TrGW of the				
SIP Parameter values	200 OK 1:					
	SDP					
	c=IN IP4	data connection address	PIXIT)]			
	or		/1			
	c=IN IP6	c=IN IP6 [data connection address (PIXIT)]				
	200 OK 2:	200 OK 2.				
	SDP					
	c=IN IP4 [IP address TrGW or					
	c=IN IP6 [IP address TrGW]					
Comments		[
Message flows	Mx	SUT	lc			
		→	→ INVITE			
	180 Ringing	``	← 180 Ringing			
	200 OK INVITE 2	÷	← 200 OK INVITE 1			
	Apply post test routine					

TP number	IBCF_111_011	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sdp	·	· • •		
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/4 AND PICS 7.2.4	4/6		
Test Purpose name	IPv4 to IPv6 IP versior	n interworking in the c line	of the 200 OK INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and the 'c' line contains the IP address from the data connection in the other network and is an IPv4 address, ensure that a 200 OK INVITE response is sent to its own network and the SDP contains a 'c' line the IP address is set to the IPv6 address of the TrGW of the own network.				
SIP Parameter values	200 OK 1: SDP c=IN IP4 [data connection address (PIXIT)]				
	200 OK 2: SDP c=IN IP6 [IP address TrGW				
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← Apply post te	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 st routine		

TP number	IBCF 111 012	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sdp				
Selection criteria		7.2.4/4 AND PICS 7.2.4/	5		
Test Purpose name					
Test Purpose	IPv4 to IPv6 IP version interworking in the c line of the 200 OK INVITE When the IBCF receives a 200 OK INVITE response from the other network and the 'c' line contains the IP address from the data connection in the other network and is an IPv6 address, ensure that a 200 OK INVITE response is sent to its own network and the SDP contains a 'c' line the IP address is set to the IPv4 address of the TrGW of the own network.				
SIP Parameter values	200 OK 1: SDP c=IN IP6 [data connection address (PIXIT)] 200 OK 2:				
	SDP c=IN IP4 [IP address TrGW				
Comments	C=IN IP4	IF address IIGW			
	Mx	SUT	lc		
Message flows	INVITE 180 Ringing 200 OK INVITE 2	 → ← ← 	 → INVITE ← 180 Ringing ← 200 OK INVITE 1 		
	Apply post test routine				

	Apply post test routine				
	INVITE 1	→	→ INVITE 2		
Message flows	Mx	SUT	lc		
Comments					
	m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>				
	INVITE 2:				
	m=audio <port number=""> RTP/AVP 8 0</port>				
SIP Parameter values	INVITE 1:				
		lected media at the end of the			
-	present, the IBCF sends an INVITE request to the other network and the IBCF adds one or				
Test Purpose	When the IBCF receives an INVITE request from the own network and the a SDP is				
Test Purpose name	The IBCF adds codec	The IBCF adds codecs to the coded list in the offer			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.5/1 AND PICS 7.2.5/2				
TSS reference	Exit_Point/alg/sdp				
TP number	IBCF_111_013	Reference	5.10.7 [1]		

TD mumber				
TP number	IBCF_111_014 Reference 5.10.7 [1]			
TSS reference	Exit_Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.5/1 AND PICS 7.2.5/2			
Test Purpose name	The IBCF removes previous added codecs from the SDP answer			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and the			
	received SDP contains the codecs previous added to the SDP in the INVITE request sent			
	to the other network, it removes this codecs from the codec list before sending the 200 OK			
	INVITE to the own network.			
SIP Parameter values	INVITE1:			
	m=audio <port number=""> RTP/AVP 8 0</port>			
	INVITE 2:			
	m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>			
	200 OK 1: m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>			
	200 OK 2:			
	m=audio <port number=""> RTP/AVP 8 0</port>			
Comments				
Message flows	Mx SUT Ic			
	INVITE 1 → INVITE 2			
	180 Ringing 🗧 🗧 🗧 180 Ringing			
	200 OK INVITE 2 🗲 🗧 🗧 200 OK INVITE 1			
	Apply post test routine			

TP number	IBCF_111_015 Reference	e 5.10.7 [1]			
TSS reference	Exit_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	No transcoding performed				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and at least				
		sent to the other network is present in the			
		coding is performed by the IBCF. The received			
	codec is contained in the 200 OK INVITE	response sent to its own network.			
SIP Parameter values	INVITE 1:				
	m=audio <port number=""> RT</port>	P/AVP 8 0			
	INVITE 2:				
	m=audio <port number=""> RTP/AVP 8 0</port>				
	200 OK 1:				
	m=audio <port number=""> RTP/AVP 0</port>				
	200 OK 2:				
	m=audio <port number=""> RTP/AVP 0</port>				
Comments					
Message flows	Mx	SUT Ic			
_	INVITE 1	→ INVITE 2			
	180 Ringing 🗧 🗲	180 Ringing			
	Apply post test routine				
	200 OK 2: m=audio <port number=""> RT Mx INVITE 1 → 180 Ringing ← 200 OK INVITE 2 ←</port>	TP/AVP 0 SUT IC → INVITE 2 ← 180 Ringing ← 200 OK INVITE 1			

TP number	IBCF_111_016	Reference	5.10.7 [1]	
TSS reference	Exit_Point/alg/sdp			
Selection criteria		CS 7.2.5/1 AND PICS 7.2.5	/2	
Test Purpose name	Transcoding performe	ed in the IBCF		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and the SDP answer does not contain a codec belonging to the offer received in the INVITE from the own network, the IBCF performs transcoding. A 200 OK INVITE is sent to its own network and one of the codecs in the codec list received in the offer from the own network is present in the SDP answer and the m line is not set to a non-zero port value.			
SIP Parameter values	INVITE 1: m=audi	o <port number=""> RTP/AVP</port>	80	
	INVITE 2: m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>) 200 OK 1: m=audio <port number=""> RTP/AVP <codec1></codec1></port></codec2></codec1></port>			
	200 OK 2: m=audio <port number=""> RTP/AVP 8 or m=audio <port number=""> RTP/AVP 0</port></port>			
Comments			-	
Message flows	Mx	SUT	lc	
	INVITE 1 180 Ringing 200 OK INVITE 2	 → ← ← Apply post tes 	 → INVITE 2 ← 180 Ringing ← 200 OK INVITE 1 t routine 	

TP number	IBCF_111_017	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Passing of more then o	ne m lines			
Test Purpose	more then one m lines,	When the IBCF receives an INVITE request from the own network and the SDP contains more then one m lines, an INVITE request is sent to the other network and all received m lines are present in the SDP.			
SIP Parameter values	INVITE 1: m=audio <port number=""> RTP/AVP 8 0 m=video 3400 RTP/AVP 98 a=rtpmap:98 H263 INVITE 2: m=audio <port number=""> RTP/AVP 8 0</port></port>				
	m=video 3400 RTP/AVP 98 a=rtpmap:98 H263				
Comments					
Message flows	Мх	SUT	lc		
	INVITE 1	→	→ INVITE 2		
	Apply post test routine				

TP number	IBCF_111_01	8	Reference		5.10.5 [1]	
TSS reference	Exit_Point/alg	/sdp			• • •	
Selection criteria	PICS 7.1.1/2					
Test Purpose name	Passing of rec	quest of resource	reservation			
Test Purpose	requested, all and the relevation	When the IBCF receives an INVITE request from the own network and preconditions are requested, all requests and responses belonging to the precondition procedure are passed and the relevant SDP content is passed unchanged. NVITE: Supported: precondition, 100rel				
SIP Parameter values		a=curr:qos local a=curr:qos remo a=des:qos mand	none			
	183: Require: SDP	a=curr:qos local a=curr:qos remo a=des:qos mand	te none latory local sendrecv latory remote sendrec	SV.		
	UPDATE: SDP			cv		
2	200 OK UPD/ SDP	a=curr:qos local a=curr:qos remo a=des:qos mand		SV.		
Comments			0.17			
Message flows	M INVITE 183 Session F PRACK 200 OK PRAC UPDATE 200 OK UPD/	→ Progress ← → CK ← →	SUT Apply post test ro	→ ← → ← → ←	Ic INVITE 183 Session Progress PRACK 200 OK PRACK UPDATE 200 OK UPDATE	

6.2 IBCF as an entry point

6.2.1 Registration

TP number	IBCF_201_001	Reference	5.10.3.1 3) [1]			
TSS reference	Entry_Point/reg	· · · · · · · · · · · · · · · · · · ·				
Selection criteria	PICS 7.2.1/1 AND PIC	S 7.1.1/2				
Test Purpose name	WWW-Authenticate he	ader is passed unchanged				
Test Purpose	network, it forward the Unauthorized final resp	When an IBCF receives a SIP REGISTER request from a trusted domain outside its own network, it forward the request to the own (home) network. If the IBCF receives the 401 Unauthorized final response from the own (home) network the WWW-Authenticate header is unchanged in the forwarded SIP response.				
SIP Parameter values		401 1: WWW-Authenticate				
Comments						
Message flows	Mx REGISTER 401 Unauthorized 2	SUT + +	Ic ← REGISTER → 401 Unauthorized 1			

TP number	IBCF_201_002	Re	eference		5.10.3.1 3) [1]	
TSS reference	Entry_Point/reg					
Selection criteria	PICS 7.2.1/1 AN	D PICS 7.1.1/2				
Test Purpose name	The Authorizatio	he Authorization header is passed unchanged				
Test Purpose	network, it forwa	When an IBCF receives a SIP REGISTER request from a trusted domain outside its own network, it forward the request to the own (home) network. The Authorization header remains unchanged in the forwarded SIP request.				
SIP Parameter values	REGISTER 1:	Authorization Path Require: path P-Charging-Vec	tor: icid; orig-ioi			
	REGISTER 2:	Authorization Path Require: path P-Charging-Vec	tor: icid; orig-ioi			
Comments						
Message flows	Mx REGISTER 2 200 OK REGISTER	← २ →	SUT	← →	IC REGISTER 1 200 OK REGISTER	

TP number	IBCF_201_0	03	Reference		5.10.3.1 3) [1]	
TSS reference	Entry_Point/r	eg	•			
Selection criteria	PICS 7.2.1/1	AND PICS 7.1.1	1/2			
Test Purpose name	The P-Assoc unchanged	The P-Associated-URI, Path, Service-Route and P-Charging-Vector headers are passed unchanged				
Test Purpose	When an IBCF receives a SIP 200 OK REGISTER request from its own network, it forwards the request to the other (visited) network. The P-Associated-URI, Path, Service-Route, P-Charging-Vector headers remain unchanged in the forwarded SIP response.					
SIP Parameter values	200 OK 1:	P-Associated-L Path Service-Route P-Charging-Ve Contact				
	200 OK 2:	P-Associated-L Path Service-Route P-Charging-Ve Contact				
Comments						
Message flows	REGISTER 200 OK REGIS		SUT ← →	← →	IC REGISTER 200 OK REGISTER 2	

TP number	IBCF_201_004		Reference		5.10.3.1 3) [1]	
TSS reference	Entry_Point/reg					
Selection criteria	PICS 7.2.1/1					
Test Purpose name	The Event and E	he Event and Expires header are passed unchanged				
Test Purpose		Vhen an IBCF receives a SIP SUBSCRIBE request from a trusted domain outside its own				
	network, it forward the request to the own (home) network. The Event header and the					
	Expires header remain unchanged in the request.					
SIP Parameter values	SUBSCRIBE 1:					
		P-Charging-\	/ector: icid			
		Expires: 600	000			
	SUBSCRIBE 2:	Event: reg				
		P-Charging-\	/ector: icid			
		Expires: 600	000			
Comments						
Message flows	Mx		SUT		lc	
	The registration procedure was successful				ccessful	
	SUBSCRIBE	÷	-	←	SUBSCRIBE	
	200 OK SUBSCR	IBE →		→	200 OK SUBSCRIBE	

TP number	IBCF_201_005	Reference	5.10.3.1 3) [1]				
TSS reference	Entry_Point/reg		. ,				
Selection criteria	PICS 7.2.1/1	PICS 7.2.1/1					
Test Purpose name	The 'reginfo' body is p	assed unchanged					
Test Purpose	When an IBCF receive network, it forward the body remain unchang	When an IBCF receives a SIP NOTIFY request from a trusted domain outside its own network, it forward the request to the own (home) network. The Event header and the XML body remain unchanged in the request.					
SIP Parameter values		-Type: application/reginfo+>	kml				
	<reginfo 1.0"?="" xmlns="u
<registration ac
<contact id</th><th colspan=5></registration></th></tr><tr><th></th><th colspan=5>NOTIFY 2: Event: reg
Content-Type: application/reginfo+xml
<?xml version="> <reginfo state="partial" version="1" xmlns="urn:ietf:params:xml:ns:reginfo"> <registration aor="sip:[any value]" id="[any value]" state="active"> <registration aor="sip:[any value]" id="[any value]" state="active"> <contact <br="" id="registered">duration-registered="0"> <uri>sip:[any value]</uri> </contact></registration> </registration></reginfo></reginfo>						
Comments							
Message flows	Мх	SUT A subscription was	lc s successful				
	NOTIFY 200 OK NOTIFY	← →	 ← NOTIFY → 200 OK NOTIFY 				

TP number	IBCF_201_006	Referenc	e	5.10.	3.1 [1]
TSS reference	Entry_Point/reg				
Selection criteria	PICS 7.2.1/1 AND PIC	CS 7.2.1/7			
Test Purpose name	The IBCF selects an a	alternative entry poir	nt to the own netwo	rk if a 3	3xx was received
Test Purpose		orwarded SIP REGI	STER request, it sh	nall sele	wn (home) network ect a new Network point arded the same request.
SIP Parameter values					
Comments	IUT configured with tw	vo entry points to ho	me network		
Message flows	Mx 2	Mx 1	SUT		lc
		REGISTER	+	←	REGISTER
		Зxx	→		
	REGISTER	÷			
	200 OK REGISTER	→		→	200 OK REGISTER
		Apply p	ost test routine		

TP number	IBCF 201 007	Reference	5	10.3.1 [1]		
TSS reference	Entry_Point/reg		0.			
Selection criteria	PICS 7.2.1/1 AND I	PICS 7.2.1/7				
Test Purpose name		The IBCF selects an alternative entry point to the own network if a 480 was received				
Test Purpose	When an IBCF receives a SIP 480 Temporarily Unavailable response from its own (home) network point to a previously forwarded SIP REGISTER request, it shall select a new Network point and resend the Register request to which it has not previously forwarded the same request.					
SIP Parameter values	•					
Comments	IUT configured with	two entry points to own ne	twork			
Message flows	Mx 2	Mx 1	SUT	lc lc		
		REGISTER	+	← REGISTER		
	480 Temporarily Unavailable 🗦					
	REGISTER	+				
	200 OK REGISTER	→		➔ 200 OK REGISTER		
		Apply post t	est routine			

TP number	IBCF_201_008	Reference	5.1	0.3.1 [1]		
TSS reference	Entry_Point/reg					
Selection criteria	PICS 7.2.1/1 AND PI	PICS 7.2.1/1 AND PICS 7.2.1/7				
Test Purpose name	The IBCF selects an received	The IBCF selects an alternative entry point to the own network if no response was received				
Test Purpose	When an IBCF receives no response from its own (home) network point to a previously forwarded SIP REGISTER request, it shall select a new Network point and resend the Register request to which it has not previously forwarded the same request.					
SIP Parameter values						
Comments	IUT configured with ty	wo entry points to own n	etwork			
Message flows	Mx 2	Mx 1 REGISTER	SUT ←	ic ← REGISTER		
	REGISTER 200 OK REGISTER	← ➔ Apply post	test routine	➔ 200 OK REGISTER		

TP number	IBCF_201_009	Reference	5.10.3.1 3) [1]			
TSS reference	Entry_Point/reg	·				
Selection criteria	PICS 7.2.1/1					
Test Purpose name	The IBCF sends a 504 if a	The IBCF sends a 504 if a 480 to a REGISTER request was received				
Test Purpose		If an IBCF receives no response to a SIP REGISTER request from all own network points, it shall send a SIP 504 Server Time-Out response to the P-CSCF.				
SIP Parameter values						
Comments						
Message flows	Mx	SUT	lc			
_	REGISTER	+	← REGISTER			
	480 Temporarily Unavailab	le 🗲				
			➔ 504 Server Time-Out			

TP number	IBCF_201_010	Reference	5.10.3.1 1) [1]			
TSS reference	Entry_Point/reg					
Selection criteria	PICS 7.2.1/2					
Test Purpose name	REGISTER request fr	REGISTER request from a untrusted network received, a 403 is sent				
Test Purpose		When an IBCF receives a SIP REGISTER request from a non-trusted domain outside its own network, it shall send a SIP 403 (Forbidden) response to the sender of the request.				
SIP Parameter values		· · · · · ·	•			
Comments	IMS configured as unt	rusted domain for IUT				
Message flows	Mx	SUT	lc			
			← REGISTER			
			➔ 403 Forbidden			

TP number	IBCF_201_011	Reference	5.10.3.1 1) [1]			
TSS reference	Entry_Point/eg					
Selection criteria	NOT PICS 7.2.1/1					
Test Purpose name	REGISTER request fr sent	REGISTER request from a untrusted network received roaming not supported, a 403 is sent				
Test Purpose	When an IBCF receives a SIP REGISTER request from a trusted domain outside its own network, it shall send a SIP 403 (Forbidden) response to the sender of the request if roaming is not supported in the own network.					
SIP Parameter values						
Comments	IMS configured as un	trusted domain for IUT				
Message flows	Mx	SUT	lc			
_			← REGISTER			
			➔ 403 Forbidden			

6.2.2 Basic call

TP number	IBCF_202_001	Reference	5.10.3.2 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	PICS 7.2.1/2		
Test Purpose name	A 403 is sent if a 'orig' p received from an untrus		oute header in an INVITE request
Test Purpose	topmost Route header in		om a non-trusted domain and the rig' parameter, the IBCF shall send a e request.
SIP Parameter values	INVITE topmost Route heac 'orig' parameter	ler	
Comments			
Message flows	Mx	SUT Apply post test ro	Ic ← INVITE → 403 Forbidden

TP number	IBCF_202_002	Reference	5.10.3.2 [1]
TSS reference	Entry_Point/bcall	·	
Selection criteria	PICS 7.2.1/2		
Test Purpose name		der fields and all P-Chargin E request received from an	g-Function-Addresses header fields untrusted network
Test Purpose	When an IBCF receives topmost Route header	s any SIP INVITE request, t in the request does not con	rom a non-trusted domain and the tain the 'orig' parameter, the IBCF shall I P-Charging-Function-Addresses header
SIP Parameter values	P-Charging-	ameter not present Vector Function-Addresses	
Comments			
Message flows	Mx INVITE 2	SUT ← Apply post test	IC INVITE 1 routine

TP number	IBCF_202_003	Reference	5.10.3.2 [1]			
TSS reference	Entry_Point/bcall	·	· • •			
Selection criteria	PICS 7.2.1/2					
Test Purpose name	A 403 is sent if a 'orig' parameter is present in the Route header in a MESSAGE request received from an untrusted network					
Test Purpose	topmost Route header		from a non-trusted domain and the g' parameter, the IBCF shall send a request.			
SIP Parameter values	MESSAGE topmost Route hea 'orig' parameter					
Comments						
Message flows	Mx	SUT Apply post test ro	Ic ← MESSAGE → 403 Forbidden			

TP number	IBCF 202 004	Reference	5.10.3.2 [1]			
TSS reference	Entry_Point/bcall					
Selection criteria	PICS 7.2.1/2					
Test Purpose name	P-Charging-Vector header fields and all P-Charging-Function-Addresses header fields omitted from the MESSAGE request received from an untrusted network					
Test Purpose	When an IBCF receives any SIP MESSAGE request, from a non-trusted domain and the topmost Route header in the request does not contain the 'orig' parameter, the IBCF shall remove all P-Charging-Vector header fields and all P-Charging-Function-Addresses header fields the request.					
SIP Parameter values	'orig P-Char	t Route header J' parameter not present ging-Vector ging-Function-Addresses				
	topmos	t Route header				
Comments						
Message flows	Mx	SUT	lc			
	MESSAGE 2	+	MESSAGE 1			
		Apply post test	t routine			

TP number	IBCF_202_005	Reference	5.10.3.2 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	PICS 7.2.1/2		
Test Purpose name	P-Charging-Vector heade omitted from an unknown		g-Function-Addresses header fields untrusted network
Test Purpose		the request contains the c	from a non-trusted domain and the orig parameter, the IBCF shall send a ne request.
SIP Parameter values	[unknown] topmost Route heade 'orig' parameter	r	
Comments			
Message flows	Мх	SUT Apply post test r	Ic ← [unknown] → 403 Forbidden

TP number		Deference	F 40 0 0 [4]			
	IBCF_202_006	Reference	5.10.3.2 [1]			
TSS reference	Entry_Point/bcall					
Selection criteria	PICS 7.2.1/2					
Test Purpose name	A 403 is sent if a 'orig' parameter is present in the Route header in an unknown request					
	received from an untrusted network					
Test Purpose	topmost Route header	in the request does not conta	from a non-trusted domain and the ain the orig parameter, the IBCF shall P-Charging-Function-Addresses header			
SIP Parameter values	[unknown]1					
	topmost Route header 'orig' parameter not present P-Charging-Vector P-Charging-Function-Addresses					
	F-Charg	Jing-Function-Addresses				
	[unknown] 2:					
	topmost	Route header				
Comments						
Message flows	Mx	SUT	lc			
-	[unknown] 2	+	 [unknown] 1 			
		Apply post test r	outine			

TP number	IBCF_202_007	Reference	5.10.3.2 1 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	PICS 7.2.1/2		
Test Purpose name	INVITE received, a 10	00 Trying is sent	
Test Purpose	When an IBCF receive with a 100 Trying.	es a SIP INVITE request,	from the other network, the IBCF responds
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
_	INVITE	÷	
			➔ 100 Trying
		Apply post te	est routine

TP number	IBCF_202_008	Refere	nce	5.10.3.2, paragraph 10 [1]
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.1/5			
Test Purpose name	A Session-Expires he	eader is inserted		
Test Purpose				CF requires the periodic es header prior to forwarding it to
SIP Parameter values	INVITE 2: Session-Expires:	<configured th="" value<=""><th>}></th><th></th></configured>	} >	
Comments				
Message flows	Mx INVITE 2	← Appl	SUT y post test routi	Ic ← INVITE 1 → 100 Trying ne

TP number	IBCF_202_009	Refe	rence		4.4.6 [1]	
TSS reference	Entry_Point/bcall				· · · ·	
Selection criteria	NOT PICS 7.2.1/2					
Test Purpose name	A Reason header is p	assed in a SIP	response			
Test Purpose	When an IBCF receives a response from within its own network and a Reason header field as indicated in table 6.2.2-1 is present, it leaves the Reason header fields in the SIP response if the other network is trusted.					
SIP Parameter values	SIP_response 1: Reason: Q.850;cause=Response_cause SIP_response 2: Reason: Q.850;cause=Response_cause					
Comments			· · -			
Message flows	Мх		SUT		lc	
-	INVITE	←		←	INVITE	
	SIP_response 1	→		→	SIP_response 2	
	ACK	←		←	ACK	

TP number	IBCF_202_010	Reference)	4.4.6 [1]			
TSS reference	Entry_Point/bcall			· • •			
Selection criteria	PICS 7.2.1/2						
Test Purpose name	A Reason header is re	A Reason header is removed from a SIP response if the other network in untrusted					
Test Purpose	When an IBCF receives a response from within its own network and a Reason header field is present, it removes the Reason header fields from the SIP response if the other network is untrusted.						
SIP Parameter values	SIP_response 1: Rea	son: Q.850;cause= F	Response_cause				
Comments							
Message flows	Mx		SUT	lc			
	INVITE	+	+	INVITE			
	SIP_response 1	→	→	SIP_response 2			
	ACK	+	+	ACK			

Response_cause	← SIP_response
-	Status code
	Reason header
VA_01	404 Not Found
	Reason: Q.850; cause=1 (unallocated (unassigned) number)
VA_02	500 Server Internal error
	Reason: Q.850; cause=2 (no route to network)
VA_03	500 Server Internal error
	Reason: Q.850; cause=3 (no route to destination)
VA_04	500 Server Internal error
	Reason: Q.850; cause=4 (Send special information tone)
VA_05	404 Not Found
	Reason: Q.850; cause=5 (Misdialled trunk prefix)
VA_06	486 Busy Here
	Reason: Q.850; cause=17 (user busy)
VA_07	480 Temporarily unavailable
	Reason: Q.850; cause=18 (no user responding)
VA_08	480 Temporarily unavailable
	Reason: Q.850; cause=19 (no answer from the user)
VA_09	480 Temporarily unavailable
V/A 40	Reason: Q.850; cause=20 (subscriber absent)
VA_10	603 Decline
VA_11	Reason: Q.850; cause=21 (call rejected) 480Temporarily unavailable
VA_II	Reason: Q.850; cause=21 (call rejected)
VA_12	410 Gone
VA_12	Reason: Q.850; cause=22 (number changed)
VA_13	433 Anonymity Disallowed
W/_10	Reason: Q.850; cause=24 (call rejected due to ACR supplementary
	service)
VA_14	483 Too many hops
—	Reason: Q.850; cause=25 (Exchange routing error)
VA_15	480 Temporarily unavailable
	Reason: Q.850; cause=26 (Non-selected user clearing)
VA_16	502 Bad Gateway
	Reason: Q.850; cause=27 (destination out of order)
VA_17	484 Address Incomplete
	Reason: Q.850; cause=28 invalid number format (address incomplete)
VA_18	500 Server Internal error
	Reason: Q.850; cause=29 (facility rejected)
VA_19	480 Temporarily unavailable
	Reason: Q.850; cause=31 (normal unspecified)
VA_20	486 Busy here
	Reason: Q.850; cause=34 (No circuit/channel available)
VA_21	480 Temporarily unavailable
	Reason: Q.850; cause=34 (No circuit/channel available)
VA_22	500 Server Internal error
V/A 00	Reason: Q.850; cause=41 (Temorary failure)
VA_23	500 Server Internal error
1/4 24	Reason: Q.850; cause=50 (requested facility no subscribed)
VA_24	603 Decline Reason: O 850: cause-55 (Incoming class barred within Closed Liser
	Reason: Q.850; cause=55 (Incoming class barred within Closed User Group)
VA_25	403 Forbidden
vr_2J	403 FOIDIQUEII Reason: O 850: cause-57 (hearer canability not authorised)

Table 6.2.2-1: Receipt of the Reason header in response	Table 6.2.2-1:	Receipt o	of the Reason	header in	response
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Reason: Q.850; cause=57 (bearer capability not authorised) 500 Server Internal error

Reason: Q.850; cause=58 (bearer capability not presently)

Reason: Q.850; cause=63 (service option not available, unspecified)

500 Server Internal error

VA_26

VA_27

Response_cause	← SIP_response
	Status code
	Reason header
VA_28	500 Server Internal error
	Reason: Q.850; cause=65 (Bearer capability not implemented)
VA_29	403 Forbidden
	Reason: Q.850; cause=87 (User not member of Closed User Group)
VA_30	500 Server Internal error
	Cause value No 88 (incompatible destination)
VA_31	403 Forbidden
	Reason: Q.850; cause=90 (Non existing Closed User Group)
VA_32	500 Server Internal error
	Reason: Q.850; cause=91 (invalid transit network selection)
VA_33	500 Server Internal error
	Reason: Q.850; cause=95 (invalid message)
VA_34	501 Not Implemented
	Reason: Q.850; cause=97 (Message type non-existent or not
	implemented)
VA_35	501 Not Implemented
	Reason: Q.850; cause=99 (information element/parameter non-existent or
	not implemented))
VA_36	480 Temporarily unavailable
	Reason: Q.850; cause=102 (recovery on timer expiry)
VA_37	501 Not Implemented
	Reason: Q.850; cause=110 (Message with unrecognised Parameter,
	discarded)
VA_38	500 Server Internal error
	Reason: Q.850; cause=111 (protocol error, unspecified)
VA_39	500 Server Internal error
	Reason: Q.850; cause=127 (interworking unspecified)

TP number	IBCF_202_011	Reference	4.4.8 [1]	
TSS reference	Entry Point/bcall	Reference	1.1.0[1]	
Selection criteria	NOT PICS 7.2.1/2 AND NOT F	PICS 7.2.2/4		
Test Purpose name	The P-Profile-Key header field		in trusted	
Test Purpose	When the IBCF receives an init P-Profile-Key header field is pr	Vhen the IBCF receives an initial INVITE request from the other trusted network and a -Profile-Key header field is present, the INVITE is forwarded to the own network and the		
	P-Profile-Key header field is lef			
SIP Parameter values	INVITE 1: P-Profile-Key: <sip:1< th=""><th colspan="3">INVITE 1: P-Profile-Key: <sip:wildcarded identity@hostportion="" public="" service=""></sip:wildcarded></th></sip:1<>	INVITE 1: P-Profile-Key: <sip:wildcarded identity@hostportion="" public="" service=""></sip:wildcarded>		
	INVITE 2: P-Profile-Key: <sip: identity@hostportion="" public="" service="" wildcarded=""></sip:>			
Comments				
Message flows	Mx	SUT	lc	
_		+	INVITE 1	
	INVITE 2	→	100 Trying	
	Apply post test routine			

TP number	IBCF_202_012	Reference	4.4.8 [1]	
TSS reference	Entry_Point/bcall	·	· • •	
Selection criteria	NOT PICS 7.2.1/2 AN	NOT PICS 7.2.1/2 AND PICS 7.2.2/4		
Test Purpose name	The P-Profile-Key hea	der field is removed if the o	ther network in trusted	
Test Purpose	P-Profile-Key header f	When the IBCF receives an initial INVITE request from the other trusted network and a P-Profile-Key header field is present, the INVITE is forwarded to the own network and the P-Profile-Key header field is removed from the request.		
SIP Parameter values	INVITE 1: P-Profile-Ke	INVITE 1: P-Profile-Key: <sip: identity@hostportion="" public="" service="" wildcarded=""></sip:>		
Comments				
Message flows	Mx	SUT	IC INVITE 1	
	INVITE 2	← Apply post test	→ 100 Trying routine	

TP number	IBCF_202_013	Reference	4.4.8 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	PICS 7.2.1/2		
Test Purpose name	The P-Profile-Key header fi	eld is removed if the other netwo	rk in untrusted
Test Purpose	When the IBCF receives an initial INVITE request from the other untrusted network and a P-Profile-Key header field is present, the INVITE is forwarded to the own network and the P-Profile-Key header field is removed from the request.		
SIP Parameter values	INVITE 1: P-Profile-Key: <s< th=""><th>ip:Wildcarded Public Service Ide</th><th>entity@Hostportion></th></s<>	ip:Wildcarded Public Service Ide	entity@Hostportion>
Comments			
Message flows	Mx	SUT 🗲	Ic INVITE 1
	INVITE 2	← → Apply post test routine	100 Trying

TP number	IBCF 202 014	Reference	4.4.8 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	NOT PICS 7.2.1/2 AND NOT	NOT PICS 7.2.1/2 AND NOT PICS 7.2.2/5		
Test Purpose name	The P-Served-User header fie	eld is passed if the other networ	k in trusted	
Test Purpose	P-Served-User header field is	When the IBCF receives an initial INVITE request from the other trusted network and a P-Served-User header field is present, the INVITE is forwarded to the own network and the P-Served-User header field is left in the request.		
SIP Parameter values	INVITE 1: P-Served-User: <sip:user@example.com>; sescase=orig; regstate=reg</sip:user@example.com>			
Comments				
Message flows	Mx	SUT 🗲	Ic INVITE 1	
	INVITE 2	Apply post test routine	100 Trying	

TP number	IBCF_202_015	Reference	4.4.8 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	NOT PICS 7.2.1/2 AND PI	CS 7.2.2/5	
Test Purpose name	The P-Served-User heade	r field is removed if the c	ther network in trusted
Test Purpose	When the IBCF receives a	n initial INVITE request f	rom the other trusted network and a
	P-Served-User header field	d is present, the INVITE	is forwarded to the own network and the
	P-Served-User header field	d is removed from the re	quest.
SIP Parameter values	INVITE 1: P-Served-User: <sip:user@example.com>; sescase=orig; regstate=reg</sip:user@example.com>		
	INVITE 2:		
Comments			
Message flows	Mx	SUT	lc
_			← INVITE 1
	INVITE 2	+	→ 100 Trying
		Apply post test i	outine

TP number	IBCF_202_016	Reference	4.4.8 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.1/2			
Test Purpose name	The P-Served-User header	field is removed if the oth	er network in untrusted	
Test Purpose	P-Served-User header field	When the IBCF receives an initial INVITE request from the other untrusted network and a P-Served-User header field is present, the INVITE is forwarded to the own network and the P-Served-User header field is removed from the request.		
SIP Parameter values			; sescase=orig; regstate=reg	
Comments				
Message flows	Mx	SUT	IC INVITE 1	
	INVITE 2	← Apply post test ro	→ 100 Trying utine	

TP number	IBCF_202_017	Reference	4.4.10 [1]	
TSS reference	Entry_Point/bcall	·		
Selection criteria	NOT PICS 7.2.1/2 AN	NOT PICS 7.2.1/2 AND PICS 7.2.1/6		
Test Purpose name	The P-Private-Networ	k-Indication header field is pa	assed if the other network in trusted	
Test Purpose	P-Private-Network-Inc	When the IBCF receives an initial INVITE request from the other trusted network and a P P-Private-Network-Indication header field is present, the INVITE is forwarded to the own network and the P-Private-Network-Indication header field is left in the request.		
SIP Parameter values		INVITE 1: P-Private-Network-Indication: [any URI] INVITE 2: P-Private-Network-Indication: [any URI]		
Comments		· · · · ·		
Message flows	Мх	SUT	IC INVITE 1	
	INVITE 2	← Apply post test	→ 100 Trying routine	

TP number	IBCF_202_018	Reference	4.4.10 [1]	
TSS reference	Entry_Point/bcall	·	· · · · ·	
Selection criteria	PICS 7.2.1/2			
Test Purpose name	The P-Private-Network	-Indication header field is re-	emoved if the other network in untrusted	
Test Purpose	P-Private-Network-Indi	When the IBCF receives an initial INVITE request from the other untrusted network and a P-Private-Network-Indication header field is present, the INVITE is forwarded to the own network and the P-Private-Network-Indication header field is removed from the request.		
SIP Parameter values	INVITE 1: P-Private-N	etwork-Indication: [any URI		
Comments				
Message flows	Mx	SUT	IC	
	INVITE 2	← Apply post test	→ 100 Trying routine	

TP number	IBCF_202_019	Reference	4.4.5 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	PICS 7.2.1/2		
Test Purpose name	The P- P-Asserted-Ser	vice header field is remove	ed if the other network in untrusted
Test Purpose	When the IBCF receives an initial INVITE request from the other untrusted network and a P-Asserted-Service header field is present, the INVITE is forwarded to the own network and the P-Asserted-Service header field is removed from the request.		
SIP Parameter values	INVITE 1: P-Asserted- INVITE 2:	Service: urn:urn-7:3gpp-se	rvice.exampletelephony.version1
Comments			
Message flows	Mx	SUT	Ic ← INVITE 1 → 100 Trying
		Apply post test	, ,

TP number	IBCF 202 020	Reference	4.4.5 [1]	
TSS reference	Entry_Point/bcall	· ·		
Selection criteria	NOT PICS 7.2.1/2 AND PICS	NOT PICS 7.2.1/2 AND PICS 7.2.2/6		
Test Purpose name	The P-P-Asserted-Service he	eader field is removed if the othe	er network in trusted	
Test Purpose	When the IBCF receives an initial INVITE request from the other trusted network and a P-Asserted-Service header field is present, the INVITE is forwarded to the own network and the P-Asserted-Service header field is removed from the request.			
SIP Parameter values	INVITE 1: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1			
Comments				
Message flows	Mx	SUT 🗲	Ic INVITE 1	
	INVITE 2	Apply post test routine	100 Trying	

TP number	IBCF_202_021	Reference	4.4.5 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	NOT PICS 7.2.1/2 A	ND NOT PICS 7.2.2/6		
Test Purpose name	The P- P-Asserted-S	ervice header field is left if the	other network in trusted	
Test Purpose	P-Asserted-Service I	When the IBCF receives an initial INVITE request from the other trusted network and a P-Asserted-Service header field is present, the INVITE is forwarded to the own network and the P-Asserted-Service header field is present in the request.		
SIP Parameter values		INVITE 1: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1 INVITE 2: P-Asserted-Service: urn:urn-7:3gpp-service.exampletelephony.version1		
Comments				
Message flows	Mx	SUT	lc	
			← INVITE 1	
	INVITE 2	+	➔ 100 Trying	
		Apply post test i	routine	

TP number	IBCF_202_022	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.2/7 AND PIC	CS 7.1.1/2		
Test Purpose name	P-Early-Media not rec	eived IBCF adds a P-Early-I	Media header to the INVITE	
Test Purpose	When the IBCF receives an INVITE request from the other network and no P-Early-Media header is present, ensure that a P-Early-Media header is included in the INVITE request sent to the own network.			
SIP Parameter values	INVITE 1: INVITE 2: P-Early-Me	dia:		
Comments	Í			
Message flows	Mx INVITE 2	SUT ← Apply post test	Ic ← INVITE 1 routine	

TP number	IBCF_202_023	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall	-		
Selection criteria	PICS 7.2.2/8 AND PIC	S 7.1.1/2		
Test Purpose name	P-Early-Media not rece	eived IBCF adds a P-Early-N	Aedia header to the 180 response	
Test Purpose	When the IBCF receives a 180 Ringing response from the own network and no P-Early-Media header is present, ensure that a P-Early-Media header is included in the 180 Ringing response sent to the other network.			
SIP Parameter values	180 Ringing 2: P-Early-Media:			
Comments				
Message flows	Mx INVITE 180 Ringing 1	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing 2 routine	

TP number	IBCF_202_024	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.2/8 AND PICS 7.	1.1/2		
Test Purpose name	P-Early-Media not received	IBCF adds a P-Early-N	ledia header to the 183 response	
Test Purpose	When the IBCF receives a 183 Session Progress response from the own network and no P-Early-Media header is present, ensure that a P-Early-Media header is included in the 183 Session Progress response sent to the other network.			
SIP Parameter values	183 Session Progress 1:			
	183 Session Progress 2: P-Early-Media:			
Comments				
Message flows	Mx	SUT	lc	
	INVITE	÷	← INVITE	
	180 Ringing	→	➔ 180 Ringing	
	183 Session Progress 1	→	➔ 183 Session Progress 2	
		Apply post test i	routine	

TP number	IBCF_202_025	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.2/9 AND PICS 7.1.1/2			
Test Purpose name	P-Early-Media receive	d IBCF removes the P-Earl	y-Media header to the INVITE	
Test Purpose	When the IBCF receives an INVITE request from the other network and a P-Early-Media header is present, ensure that the P-Early-Media header is removed from the INVITE request sent to the own network.			
SIP Parameter values	INVITE 1: P-Early-Mee	dia:		
Comments				
Message flows	Mx INVITE 2	SUT ← Apply post test	Ic ← INVITE 1 troutine	

TP number	IBCF_202_026	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.2/10 AND PICS 7.1.1/2			
Test Purpose name	P-Early-Media rec	eived IBCF removes the P-Earl	y-Media header to the 180 response	
Test Purpose	When the IBCF receives a 180 Ringing response from the own network and a P-Early-Media header is present, ensure that the P-Early-Media header is removed from the 180 Ringing response sent to the other network.			
SIP Parameter values	180 Ringing 1: 1	P-Early-Media:		
Comments				
Message flows	Mx INVITE 180 Ringing 1	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing 2 routine	

IBCF_202_027	Reference	5.10.6.2 [1]	
Entry_Point/bcall			
PICS 7.2.2/10 AND PICS 7.	1.1/2		
P-Early-Media received IBCF removes the P-Early-Media header to the 183 response			
When the IBCF receives a 183 Session Progress response from the own network and a P-Early-Media header is present, ensure that the P-Early-Media header is removed from the 183 Session Progress response sent to the other network.			
200 OK 1: P-Early-Media:			
Mx INVITE 180 Ringing 183 Session Progress 1	SUT ← →	Ic ← INVITE → 180 Ringing → 183 Session Progress 2	
	Entry_Point/bcall PICS 7.2.2/10 AND PICS 7. P-Early-Media received IBC When the IBCF receives a 1 P-Early-Media header is pre the 183 Session Progress re 200 OK 1: P-Early-Media: 200 OK 2: Mx INVITE 180 Ringing	Entry_Point/bcall PICS 7.2.2/10 AND PICS 7.1.1/2 P-Early-Media received IBCF removes the P-Early-N When the IBCF receives a 183 Session Progress re P-Early-Media header is present, ensure that the P-I the 183 Session Progress response sent to the othe 200 OK 1: P-Early-Media: 200 OK 2: Mx SUT INVITE ← 180 Ringing →	

TP number	IBCF_202_028	Refe	erence	5.10.6.2 [1]	
TSS reference	Entry_Point/bcal	Entry Point/bcall			
Selection criteria	PICS 7.2.2/11 A	ND PICS 7.1.1/2			
Test Purpose name	P-Early-Media re	ceived IBCF modifi	es the P-Early-Media he	ader to the 180 response	
Test Purpose	P-Early-Media he	When the IBCF receives a 180 Ringing response from the own network and a P-Early-Media header is present, ensure that the P-Early-Media header is modified in the 180 Ringing response sent to the other network.			
SIP Parameter values	180 Ringing 1: 180 Ringing 2:	Not equal to			
Comments					
Message flows	Mx INVITE 180 Ringing 1	← → Ap	SUT ← → oply post test routine	Ic INVITE 180 Ringing 2	

TP number	IBCF_202_029	Reference	5.10.6.2 [1]				
TSS reference	Entry_Point/bcall	Entry Point/bcall					
Selection criteria	PICS 7.2.2/11 AND PICS	PICS 7.2.2/11 AND PICS 7.1.1/2					
Test Purpose name	P-Early-Media received IB	CF modifies the P-Early-	Media header to the 183 response				
Test Purpose	P-Early-Media header is p	When the IBCF receives a 183 Session Progress response from the own network and a P-Early-Media header is present, ensure that the P-Early-Media header is modified in the 183 Session Progress response sent to the other network.					
SIP Parameter values	183 Session Progress 1: N 183 Session Progress 2:	ot equal to					
Comments							
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1	SUT ← → → Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 outine				

TP number	IBCF_202_030	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	PICS 7.2.2/21			
Test Purpose name	P-Asserted-Identity no	ot received IBCF adds a P-A	sserted-Identity to an INVITE request	
Test Purpose	When the IBCF receives an INVITE request from the other network and no P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included in the INVITE request sent to the own network.			
SIP Parameter values	INVITE 1: INVITE 2: P-Asserted	-Identity: <[network specific	URI]>	
Comments			•	
Message flows	Mx INVITE	SUT ←	IC ← INVITE	
		Apply post test	<	

TP number	IBCF_202_031	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall		· · · · ·	
Selection criteria	PICS 7.2.2/21 AND PI	ICS 7.2.2/22		
Test Purpose name	P-Asserted-Identity re	ceived IBCF replaces the P-A	Asserted-Identity to an INVITE request	
Test Purpose	When the IBCF receives an INVITE request from the other network and a P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included and the received P-Asserted-Identity is removed in the INVITE request sent to the own network.			
SIP Parameter values	INVITE 1: P-Asserted-Identity: <[any URI]> INVITE 2: P-Asserted-Identity: <[network specific URI]>			
Comments				
Message flows	Мх	SUT	lc	
	INVITE	← Apply post test r	← INVITE	

TP number	IBCF_202_032	Reference	5.10.6.2 [1]	
TSS reference	Entry_Point/bcall	·		
Selection criteria	PICS 7.2.2/22			
Test Purpose name	P-Asserted-Identity re	eceived IBCF omits the P-	Asserted-Identity from the INVITE request	
Test Purpose	When the IBCF receives an INVITE request from the other network and a P-Asserted-Identity is present, ensure that the received P-Asserted-Identity header is omitted from the INVITE request sent to the own network.			
SIP Parameter values	INVITE 1: P-Asserted	I-Identity: <[any URI]>		
Comments				
Message flows	Mx INVITE	SUT ← Apply post te		

TP number	IBCF_202_033	Reference	5.10.6.2 [1]			
TSS reference	Entry_Point/bcall	Entry_Point/bcall				
Selection criteria	PICS 7.2.2/21 AN	PICS 7.2.2/21 AND PICS 7.2.2/22				
Test Purpose name	P-Asserted-Identit	P-Asserted-Identity received IBCF replaces the P-Asserted-Identity to an INFO request				
Test Purpose	is present, ensure	When the IBCF receives an INFO request from the other network and a P-Asserted-Identity is present, ensure that a network specific P-Asserted-Identity is included and the received				
		ty is removed in the INFO reque	st sent to the own network.			
SIP Parameter values		INFO 1: P-Asserted-Identity: <[any URI]> INFO 2: P-Asserted-Identity: <[network specific URI]>				
Comments	The INFO request element	The INFO request sent to the other network contains a XML mcid McidRequestIndicator element				
Message flows	Mx	SUT	lc			
_	INVITE	←	← INVITE			
	INFO	→	→ INFO			
	200 OK INFO	+	← 200 OK INFO			
	INFO 2	+	← INFO 1			
	200 OK INFO	→	→ 200 OK INFO			
		Apply post test	routine			

		Apply post test ro	outine		
	INVITE 2	+	← INVITE 1		
Message flows	Mx	SUT	lc		
Comments					
)/[transport] [URI of IBCF];brar)/[transport] [any URI 1];brancl			
SIP Parameter values	INVITE 1: VIA: SIP/2.0	/[transport] [any URI 1];branch	h=[any value]		
	location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers.				
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the other network forwards message to the own network after having inserted in first position a Via header set to				
Test Purpose name	A Via header is added				
Selection criteria					
TSS reference	Entry_Point/bcall				
		Kelerence	16.6 [19]		
TP number	IBCF 202 034	Reference	5.10.2 [1],		

TP number	IBCF 202 035	Reference	5.10.2 [1],		
			16.4 [19]		
TSS reference	Entry_Point/bcall				
Selection criteria					
Test Purpose name	A Via header is added	d in the ACK			
Test Purpose	Ensure that the IUT on receipt of an ACK request from the own network forwards the message to ther other network after having inserted in first position a Via header - set to its location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers.				
SIP Parameter values	ACK 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value] ACK 2: VIA: SIP/2.0/[transport] [URI of IBCF];branch= z9hG4bK[any value] VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]				
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1		
		Apply post test re	outine		

TP number	IBCF_202_036	Reference	5.10.2 [1],			
			16.6 [19]			
TSS reference	Entry_Point/bcall					
Selection criteria						
Test Purpose name	A Via header is added	in the CANCEL				
Test Purpose		Ensure that the IUT on receipt of a CANCEL request from the other network forwards the				
	message to the own network after having inserted in first position a Via header - set to its location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers.					
SIP Parameter values		2.0/[transport] [any URI 1];brai				
	CANCEL 2: VIA: SIP/2.0/[transport] [URI of IBCF];branch= z9hG4bK[any value] VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]					
Comments						
Message flows	Mx	SUT	lc			
	INVITE	←	← INVITE			
	180 Ringing	→	→ 180 Ringing			
	CANCEL 2	←	CANCEL 1			
		Apply post test ro	outine			

		Apply post test re				
Message flows	BYE 2	€	IC ← BYE 1			
	Мх	SUT	lc			
Comments						
	BYE 2:VIA: SIP/2.0/[transport] [URI of IBCF];branch= z9hG4bK[any value] VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]					
SIP Parameter values	BYE 1: VIA: SIP/2.0/[tr	ansport] [any URI 1];branch=	[any value]			
	location with a protocol name set to SIP, a protocol version set to 2.0 and a branch parameter beginning with "z9hG4bK" - to the received list of Via headers.					
			first position a Via header - set to its			
Test Purpose		Ensure that the IUT on receipt of a BYE request from the other network forwards the				
Test Purpose name	A Via header is added	in the BYE				
Selection criteria						
TSS reference	Entry_Point/bcall					
			16.6 [19]			
TP number	IBCF 202 037	Reference	5.10.2 [1],			

TP number	IBCF_202_038	Reference	5.10.2 [1],			
			16.4 [19]			
TSS reference	Entry_Point/bcall					
Selection criteria						
Test Purpose name	The Route header of t	he IBCF is removed from the	top of Route headers in ACK			
Test Purpose	Ensure that the IUT on receipt of an ACK request from the other network including a Route header with the first value indicates the IUT, removes that value from the request and forwards the message to the own network.					
SIP Parameter values	ACK 1: Route: <sip:[uri ibcf]="" of="">;lr Route: <sip:[any]="" uri="">;lr ACK 2: Route: <sip:[any]="" uri="">;lr</sip:[any></sip:[any></sip:[uri>					
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT ← → ← Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1 putine			

TP number	IBCF_202_039	Reference		5.10.2 [1]
TSS reference	Entry_Point/bcall	·		
Selection criteria				
Test Purpose name	ACK without Route he	eader received		
Test Purpose		n receipt of an ACK request message to the address in th		ther network without a Route t-URI in the own network.
SIP Parameter values		×		
Comments				
Message flows	Mx	SUT		lc
	INVITE	+	÷	INVITE
	180 Ringing	→	→	180 Ringing
	200 OK INVITE	→	→	200 OK INVITE
	ACK	+	+	ACK
		Apply post test	routine	

TP number	IBCF_202_040	Reference	5.10.2 [1]			
TSS reference	Entry_Point/bcall	·				
Selection criteria						
Test Purpose name	The Route header of the	ne IBCF is removed from the	top of Route headers in CANCEL			
Test Purpose	Ensure that the IUT on receipt of a CANCEL request from the other network including a Route header with the first value indicates the IUT, removes that value from the request and forwards the message to the own network.					
SIP Parameter values	CANCEL 1: Route: <sip:[uri ibcf]="" of="">;Ir Route: <sip:[any]="" uri="">;Ir CANCEL 2: Route: <sip:[any]="" uri="">;Ir</sip:[any></sip:[any></sip:[uri>					
Comments						
Message flows	Mx INVITE 180 Ringing CANCEL 2	SUT ← → ← Apply post test r	Ic ← INVITE → 180 Ringing ← CANCEL 1 routine			

TP number	IBCF_202_041	Reference		5.10.2 [1]
TSS reference	Entry_Point/bcall	•		
Selection criteria				
Test Purpose name	CANCEL without Rout	te header received		
Test Purpose				ne other network without a Request-URI in the own
SIP Parameter values				
Comments				
Message flows	Mx	S	UT	lc
	INVITE	+	+	INVITE
	180 Ringing	→	→	180 Ringing
	CANCEL	←	+	CANCEL
	CANCEL	\mathbf{r}	•	UNIVEL

TP number	IBCF_202_042 Reference	5.10.2 [1]			
TSS reference	Entry_Point/bcall				
Selection criteria					
Test Purpose name	The Route header of the IBCF is remove	d from the top of Route headers in ACK			
Test Purpose	Ensure that the IUT on receipt of a BYE request from the other network including a Route header with the first value indicates the IUT, removes that value from the request and forwards the message to the own network.				
SIP Parameter values	BYE 1:Route: <sip:[uri ibcf]="" of="">;Ir Route: <sip:[any]="" uri="">;Ir BYE 2:Route: <sip:[any]="" uri="">;Ir</sip:[any></sip:[any></sip:[uri>				
Comments					
Message flows	Mx BYE 2 ← Apply	SUT IC BYE 1 post test routine			

TP number	IBCF_202_043	Reference		5.10.6.2 [1]	
TSS reference	Entry_Point/bcall				
Selection criteria					
Test Purpose name	BYE without Route he	eader received			
Test Purpose	Ensure that the IUT on receipt of a BYE request from the other network without				
_	header, forwards the	message to the address in	the Request-l	JRI in the own network.	
SIP Parameter values					
Comments					
Message flows	Mx	SUT		lc	
	INVITE	÷	+	INVITE	
	INFO	→	→	INFO	
	200 OK INFO	←	+	200 OK INFO	
	INFO 2	←	+	INFO 1	
	200 OK INFO	→	→	200 OK INFO	
		Apply post tes	t routine		

6.2.3 Screening of SIP signalling

6.2.3.1 Basic call requirements

TP number	IBCF_203_	_001	Reference	Annex A [3]			
TSS reference	Entry_Poin	t/scr/bcall					
Selection criteria	PICS 7.1.1	/3					
Test Purpose name	Accept hea	Accept header supported in INVITE					
Test Purpose	When the IBCF receives an INVITE request from the other network containing an Accept header, ensure that an INVITE request is sent to the own network and the Accept header is present as received from the other network.						
SIP Parameter values	INVITE: Accept: application/sdp						
Comments							
Message flows		Mx	SUT	lc			
_	INVITE	+		← INVITE			
	Apply post test routine						

TP number	IBCF_203_002	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Accept header suppor	ted in 200 OK				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing an Accept header, ensure that a 200 OK INVITE response is sent to the other network and the Accept header is present as received from the own network.					
SIP Parameter values	200 OK: Accept: app	blication/sdp				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine			

TP number	IBCF_203_003	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall		· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Accept header suppor	ted in BYE		
Test Purpose	When the IBCF receives a BYE request from the other network containing an Accept header, ensure that an BYE request is sent to the own network and the Accept header is present as received from the other network.			
SIP Parameter values	INVITE: Accept: app	olication/sdp		
Comments				
Message flows	Mx	SUT	lc	
_		stablished		
	BYE	+	← BYE	
		Apply post test ro	outine	

TP number	IBCF_203_004	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/b	call		
Selection criteria	PICS 7.1.1/3 ANI	D PICS 7.2.2/18		
Test Purpose name	Accept-Contact h	eader supported in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the other network containing an Accept-Contact header, ensure that an INVITE request is sent to the own network and the Accept-Contact header is present as received from the other network.			
SIP Parameter values	INVITE: Accept	t-Contact: * mobility="mobile";lar	nguage="en,de"	
Comments				
Message flows	Mx SUT Ic			
	INVITE	÷	← INVITE	
		Apply post test	troutine	

TP number	IBCF_203_005	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/18			
Test Purpose name	Accept-Contact heade	r supported in BYE			
Test Purpose		When the IBCF receives a BYE request from the other network containing an Accept-Contact header, ensure that a BYE request is sent to the own network and the			
		r, ensure that a BYE request r is present as received from			
SIP Parameter values	BYE: Accept-Contact	t: *;mobility="fixed"; language	="en,de"		
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	+	← BYE		
		Apply post test re	outine		

TP number	IBCF_203_	006	Reference	Annex A [3]	
TSS reference	Entry_Point	/scr/bcall			
Selection criteria	PICS 7.1.1/	3			
Test Purpose name	Accept-Enc	oding header suppo	rted in INVITE		
Test Purpose	Accept-Enc	oding header, ensui	e that an INVITE req	e other network containing an juest is sent to the own network and from the other network.	
SIP Parameter values	INVITE: Accept-Encoding: gzip				
Comments					
Message flows		Mx	SUT	lc	
_	INVITE	+		← INVITE	
	Apply post test routine				

TP number	IBCF_203_007	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Encoding hea	der supported in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE respons from the own network containing an Accept-Encoding header, ensure that a 200 OK INVITE response is sent to the other network and the Accept-Encoding header is present as received from the own network.				
SIP Parameter values	200 OK: Accept-End	coding: gzip			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

		Apply post test re	outine		
	BYE	+	← BYE		
	A session is already established				
Message flows	Mx	SUT	lc		
Comments					
SIP Parameter values	BYE: Accept-Encodir	ng: gzip			
	Accept-Encoding head	ler is present as received fron	n the other network.		
			st is sent to the own network and the		
Test Purpose	When the IBCF receive	es a BYE request from the oth	her network containing an		
Test Purpose name	Accept-Encoding head				
Selection criteria	PICS 7.1.1/3				
TSS reference	Entry_Point/scr/bcall				
TP number	IBCF_203_008	Reference	Annex A [3]		

TP number	IBCF_203_0	009 Re	ference	Annex A [3]
TSS reference	Entry_Point/	/scr/bcall		
Selection criteria	PICS 7.1.1/3	3		
Test Purpose name	Accept-Lang	guage header supporte	ed in INVITE	
Test Purpose	Accept-Lang	guage header, ensure		er network containing an is sent to the own network and the other network.
SIP Parameter values	INVITE: A	ccept-Language: en, c	le	
Comments				
Message flows		Mx	SUT	lc
_	INVITE	+	•	
	Apply post test routine			

TP number	IBCF_203_010	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Language head	ler supported in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing an Accept-Language header, ensure that a 200 OK INVITE response is sent to the own network and the Accept-Language header is present as received from the other network.				
SIP Parameter values	200 OK: Accept-Lang	juage: en, de			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_011	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall		· · · · ·	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Accept-Language head	ler supported in BYE		
Test Purpose	When the IBCF receives a BYE request from the other network containing an Accept-Language header, ensure that a BYE request is sent to the own network and the Accept-Language header is present as received from the other network.			
SIP Parameter values	BYE: Accept-Languag	ge: en, de		
Comments				
Message flows	Mx	SUT	lc	
-		A session is already e	established	
	BYE	+	← BYE	
		Apply post test re	outine	

TP number	IBCF_203_012	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bca	all			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header supp	orted in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing an Allow header, ensure that an INVITE request is sent to the own network and the Allow header is present as received from the other network.				
SIP Parameter values	INVITE: Allow: INVITE, ACK, CANCEL, BYE				
Comments					
Message flows	Mx	SU	IT Ic		
	INVITE	+			
		Apply post	test routine		

TP number	IBCF_203_013	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header supporte	ed in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing an Allow header, ensure that a 180 Ringing response is sent to the other network and the Allow header is present as received from the own network.				
SIP Parameter values	180: Allow: INVITE,	ACK, CANCEL, BYE			
Comments					
Message flows	Mx INVITE 180 Ringing	SUT + +	Ic ← INVITE → 180 Ringing		
		Apply post tes	troutine		

TP number	IBCF_203_014	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header supporte	ed in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing an Allow header, ensure that a 200 OK INVITE response is sent to the other network and the Allow header is present as received from the own network.				
SIP Parameter values	200 OK: Allow: INVIT	TE, ACK, CANCEL, BYE			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine Investment		

TP number	IBCF_203_015	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header supporte	d in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing an Allow header, ensure that a BYE request is sent to the own network and the Allow header is present as received from the other network.				
SIP Parameter values	BYE: Allow: INVITE, ACK, CANCEL, BYE				
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	+	← BYE		
		Apply post test ro	outine		

.TP number	IBCF_203_016	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header supporte	ed in 200 OK BYE			
Test Purpose	Allow header, ensure	When the IBCF receives a 200 OK BYE response from the own network containing an Allow header, ensure that a 200 OK BYE response is sent to the other network and the Allow header is present as received from the own network.			
SIP Parameter values	200 OK BYE: Allow: I	NVITE, ACK, CANCEL, OPTIC	ONS, BYE		
Comments					
Message flows	Mx	SUT	lc		
_		A session is already established			
	BYE	÷	← BYE		
	200 OK BYE	+	→ 200 OK BYE		

TP number	IBCF_203	_017	Reference		Annex A [3]
TSS reference	Entry_Poin	it/scr/bcall			
Selection criteria	PICS 7.1.1	/3			
Test Purpose name	Allow-Ever	nts header supported	in INVITE		
Test Purpose	Allow-Ever	When the IBCF receives an INVITE request from the other network containing an Allow-Events header, ensure that an INVITE request is sent to the own network and the Allow-Events header is present as received from the other network.			
SIP Parameter values	INVITE: Allow-Events: call-completion				
Comments					
Message flows		Mx	SUT		lc
	INVITE	+		+	INVITE
	Apply post test routine				

TP number	IBCF_203_018	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow-Events header s	supported in 200 OK			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing an Allow-Events header, ensure that a 200 OK INVITE response is sent to the other network and the Allow-Events header is present as received from the own network.				
SIP Parameter values	200 OK: Allow-Event	ts: call-completion			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post tes	Ic ← INVITE → 180 Ringing → 200 OK INVITE t routine		

TP number	IBCF_203_019	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow-Events header su	upported in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing an Allow-Events header, ensure that a BYE request is sent to the own network and the Allow-Events header is present as received from the other network.				
SIP Parameter values	BYE: Allow-Events: call-completion				
Comments					
Message flows	Mx	SUT	lc		
		stablished			
	BYE	+	← BYE		
		Apply post test re	outine		

	BYE 200 OK BYE	← →	 ← BYE → 200 OK BYE 			
		A session is already established				
Message flows	Мх	SUT	lc			
Comments						
SIP Parameter values	200 OK BYE: Allow-E	vents: call-completion				
	the Allow-Events head	der is present as received from	n the own network.			
	Allow-Events header,	ensure that a 200 OK BYE res	sponse is sent to the other network and			
Test Purpose		When the IBCF receives a 200 OK BYE response from the own network containing an				
Test Purpose name	Allow-Events header	supported in 200 OK BYE				
Selection criteria	PICS 7.1.1/3					
TSS reference	Entry_Point/scr/bcall					
TP number	IBCF_203_020	Reference	Annex A [3]			

TP number	IBCF_203_021	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Call-ID header supported in IN	VITE		
Test Purpose	When the IBCF receives an IN header, ensure that an INVITE present as received from the o	request is sent to the own network		
SIP Parameter values	INVITE: Call-ID: [any value]			
Comments				
Message flows	Mx	SUT	lc	
	INVITE 🗲	÷	INVITE	
	Apply post test routine			

TP number	IBCF_203_022	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Call-ID header suppor	ted in 180	
Test Purpose	Call-ID header, ensure		rom the own network containing a e is sent to the other network and the n network.
SIP Parameter values	180: Call-ID: [any va	alue]	
Comments			
Message flows	Mx INVITE	SUT ←	IC INVITE
	180 Ringing	Apply post test	→ 180 Ringing

TP number	IBCF_203_023	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall		· · · · ·			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Call-ID header suppor	ted in 200 OK INVITE				
Test Purpose	Call-ID header, ensure	When the IBCF receives a 200 OK INVITE response from the own network containing a Call-ID header, ensure that a 200 OK INVITE response is sent to the ther network and the Call-ID header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Call-	ID: [any value]				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test t	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine			

Entry_Point/scr/bcall PICS 7.1.1/3				
Call ID baadar augmented in				
Icali-ic neader supported in	n ACK			
When the IBCF receives an ACK request from the other network containing a Call-ID header, ensure that an ACK request is sent to the own network and the Call-ID header is present as received from the other network.				
ACK: Call-ID: [any value]				
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → ← Apply post test routin	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK		
	When the IBCF receives ar header, ensure that an ACI present as received from th ACK: Call-ID: [any value] Mx INVITE 180 Ringing 200 OK INVITE	header, ensure that an ACK request is sent to the own n present as received from the other network. ACK: Call-ID: [any value] Mx SUT INVITE ← 180 Ringing → 200 OK INVITE →		

TP number	IBCF_203_025	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Call-ID header supporte	ed in BYE		
Test Purpose		BYE request is sent to the ov	ther network containing a Call-ID wn network and the Call-ID header is	
SIP Parameter values	BYE: Call-ID: [any val	ue]		
Comments				
Message flows	Mx	SUT	lc	
_	A session is already established			
	BYE	+	← BYE	
	Apply post test routine			

TP number	IBCF_203_026	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Call-ID header suppor	rted in 200 OK BYE				
Test Purpose	Call-ID header, ensur	When the IBCF receives a 200 OK BYE response from the own network containing a Call-ID header, ensure that a 200 OK BYE response is sent to the other network and the Call-ID header is present as received from the own network.				
SIP Parameter values	200 OK BYE: Call-ID:	[any value]				
Comments						
Message flows	Mx	SUT	lc			
_		A session is already established				
	BYE	÷	← BYE			
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF_203	_027 F	Reference	Annex A [3]		
TSS reference	Entry_Poir	nt/scr/bcall				
Selection criteria	PICS 7.1.1	1/3				
Test Purpose name	Call-Info h	eader supported in IN	VITE			
Test Purpose	header, en	When the IBCF receives an INVITE request from the other network containing a Call-Info header, ensure that an INVITE request is sent to the own network and the Call-Info header is present as received from the other network.				
SIP Parameter values	INVITE:	INVITE: Call-Info: <[any URI]>				
Comments						
Message flows		Mx	SUT	lc		
	INVITE	+		← INVITE		
	Apply post test routine					

TP number	IBCF_203_028	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Call-Info header suppo	orted in 180		
Test Purpose	Call-Info header, ensu	es a 180 Ringing response re that a 180 Ringing response sent as received from the o	e from the own network containing a onse is sent to the other network and the own network.	
SIP Parameter values	180: Call-Info: <[any	URI]>		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	←	← INVITE	
	180 Ringing	→	→ 180 Ringing	
	Apply post test routine			

TP number	IBCF_203_029	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	•			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Call-Info header suppo	orted in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Call-Info header, ensure that a 200 OK INVITE response is sent to the other network and the Call-Info header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Call-	-Info: <[any URI]>			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine Invite		

TP number	IBCF_203_0)30 I	Reference	Annex	A [3]
TSS reference	Entry_Point	/scr/bcall			
Selection criteria	PICS 7.1.1/3	3			
Test Purpose name	Contact hea	der supported in IN	/ITE		
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Contact header, ensure that an INVITE request is sent to the own network and the Contact header is present as received from the other network.				
SIP Parameter values	INVITE: Contact: <[any URI]>				
Comments					
Message flows		Mx	SUT		lc
	INVITE	+		← INVITE	
	Apply post test routine				

TP number	IBCF_203_031	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Contact header suppo	orted in 180	
Test Purpose	Contact header, ensu		from the own network containing a use is sent to the other network and the vn network.
SIP Parameter values	180: Contact: <[any	/ URI]>	
Comments			
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing routine

TP number	IBCF_203_032	Reference		Annex A [3]	
TSS reference	Entry_Point/scr/bcall	•		· · · ·	
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header suppo	orted 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Contact header, ensure that a 200 OK INVITE response is sent to the other network and the Contact header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Con	tact: <[any URI]>			
Comments					
Message flows	Mx	SU	Т	lc	
	INVITE	+	+	INVITE	
	180 Ringing → 180 Ringing				
	200 OK INVITE	→	→	200 OK INVITE	
	Apply post test routine				

TP number	IBCF_203_033	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	·	· · · · ·			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Contact header suppo	orted in ACK				
Test Purpose	When the IBCF receives an ACK request from the other network containing a Contact header, ensure that an ACK request is sent to the own network and the Contact header is present as received from the other network.					
SIP Parameter values	ACK: Contact: <[any	URI]>				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → ← ←	 ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 			
	Apply post test routine					

TP number	IBCF_203_034	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header suppo	orted in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing a Contact header, ensure that a BYE request is sent to the own network and the Contact header is present as received from the other network.				
SIP Parameter values	BYE: Contact: <[any	URI]>			
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	÷	← BYE		
	Apply post test routine				

TP number	IBCF_203_035	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Contact header suppo	orted in 200 OK BYE				
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Contact header, ensure that a 200 OK BYE response is sent to the other network and the Contact header is present as received from the own network.					
SIP Parameter values	200 OK BYE: Contac	t: <[any URI]>				
Comments						
Message flows	Mx	SUT	lc			
_		A session is already established				
	BYE	÷	← BYE			
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF_203_	036 R	eference	Annex A [3]			
TSS reference	Entry_Point	t/scr/bcall					
Selection criteria	PICS 7.1.1/	/3					
Test Purpose name	Content-Dis	sposition header supp	orted in INVITE				
Test Purpose	Content-Dis	When the IBCF receives an INVITE request from the other network containing a Content-Disposition header, ensure that an INVITE request is sent to the own network and the Content-Disposition header is present as received from the other network.					
SIP Parameter values	INVITE: 0	INVITE: Content-Disposition: session; handling=optional					
Comments							
Message flows		Mx SUT Ic					
	INVITE	←	+	- INVITE			
		Apply post test routine					

TP number	IBCF_203_037	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Content-Disposition h	eader supported in 180	
Test Purpose	Content-Disposition h	eader, ensure that a 180 R	from the own network containing a nging response is sent to the other resent as received from the own network.
SIP Parameter values	180: Content-Dispo	sition: session; handling=op	otional
Comments			
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post tes	Ic ← INVITE → 180 Ringing t routine

TP number	IBCF_203_038	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Disposition h	eader supported in 200 OK	INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Content-Disposition header, ensure that 200 OK INVITE response is sent to the other network and the Content-Disposition header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Con	tent-Disposition: session; h	andling=optional		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post tes	Ic ← INVITE → 180 Ringing → 200 OK INVITE t routine		

TP number	IBCF_203_039	Reference	Annex A [3]				
TSS reference	Entry_Point/scr/bcall		· • • •				
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Content-Disposition he	eader supported in ACK	K				
Test Purpose	When the IBCF receives an ACK request from the other network containing a Content-Disposition header, ensure that an ACK request is sent to the own network and the Content-Disposition header is present as received from the other network.						
SIP Parameter values		sition: session; handling					
Comments							
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	su ← → ←	T IC ← INVITE → 180 Ringing → 200 OK INVITE ← ACK				
		Apply post test routine					

	BYE	Apply post test r	← BYE			
	A session is already established					
Message flows	Mx	SUT	lc			
Comments						
SIP Parameter values	BYE: Content-Dispos	sition: session; handling=optic	onal			
	Content-Disposition he	eader is present as received f	rom the other network.			
			uest is sent to the own network and the			
Test Purpose		When the IBCF receives a BYE request from the other network containing a				
Test Purpose name		eader supported in BYE				
Selection criteria	PICS 7.1.1/3					
TSS reference	Entry_Point/scr/bcall					
TP number	IBCF_203_040	Reference	Annex A [3]			

TP number	IBCF_203_041	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Disposition he	eader supported in 200 OK E	BYE		
Test Purpose	Content-Disposition he	eader, ensure that 200 OK B	from the own network containing a YE response is sent to the other network received from the own network.		
SIP Parameter values	INVITE: Content-Dis	sposition: session; handling=	otional		
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	200 OK BYE	→	→ 200 OK BYE		

TP number	IBCF_203_042	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Encoding header su	pported in INVITE				
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Content-Encoding header, ensure that an INVITE request is sent to the own network and the Content-Encoding header is present as received from the other network.					
SIP Parameter values	INVITE: Content-Encoding	: gzip				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	+ +	INVITE			
	Apply post test routine					

TP number	IBCF_203_043	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Encoding hea	der supported in 180				
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a Content-Encoding header, ensure that a 180 Ringing response is sent to the other network and the Content-Encoding header is present as received from the own network.					
SIP Parameter values	180: Content-Encod	ing: gzip				
Comments						
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing t routine			

TP number	IBCF_203_044	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	·	· • •			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Encoding hea	ader supported in 200 OK I	NVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Content-Encoding header, ensure that a 200 OK INVITE response is sent to the other network and the Content-Encoding header is present as received from the own network.					
SIP Parameter values	200 OK INVITE: Con	tent-Encoding: gzip				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	+				
	180 Ringing	→	➔ 180 Ringing			
	200 OK INVITE	→	→ 200 OK INVITE			
		Apply post tes	t routine			

IBCF_203_045	Reference	Annex A [3]			
Entry_Point/scr/bcall	·				
PICS 7.1.1/3					
Content-Encoding hea	ader supported in ACK				
When the IBCF receives an ACK request from the other network containing a Content-Encoding header, ensure that an ACK request is sent to the own network and the Content-Encoding header is present as received from the other network.					
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK			
	Entry_Point/scr/bcall PICS 7.1.1/3 Content-Encoding hea When the IBCF receiv Content-Encoding hea Content-Encoding hea ACK: Content-Encoding hea ACK: Content-Encoding hea Mx INVITE 180 Ringing 200 OK INVITE	Entry_Point/scr/bcall PICS 7.1.1/3 Content-Encoding header supported in ACK When the IBCF receives an ACK request from the Content-Encoding header, ensure that an ACK received for ACK: Content-Encoding: gzip ACK: Content-Encoding header is present as received for ACK: Content-Encoding: gzip Mx SUT INVITE ← 180 Ringing → 200 OK INVITE → ACK ←			

TP number	IBCF_203_046	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Encoding head	der supported in BYE				
Test Purpose	When the IBCF receives a BYE request from the other network containing a Content-Encoding header, ensure that a BYE request is sent to the own network and the Content-Encoding header is present as received from the other network.					
SIP Parameter values	BYE: Content-Encodi	ng: gzip				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	+	← BYE			
	Apply post test routine					

TP number	IBCF_203_047	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Encoding he	ader supported in 200 OK BY	Έ			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Content-Encoding header, ensure that a 200 OK BYE response is sent to the other network and the Content-Encoding header is present as received from the own network.					
SIP Parameter values	200 OK BYE: Conten	t-Encoding: gzip				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	÷	← BYE			
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF_203	3_048	Refe	rence		Annex A [3]
TSS reference	Entry_Po	int/scr/bcall					
Selection criteria	PICS 7.1.	.1/3					
Test Purpose name	Content-L	anguage he	ader supported	l in INVITE			
Test Purpose	Content-L	When the IBCF receives an INVITE request from the other network containing a Content-Language header, ensure that an INVITE request is sent to the own network and the Content-Language header is present as received from the other network.					
SIP Parameter values	INVITE:	Content-La	nguage: fr, de				
Comments							
Message flows		Mx		SUT			lc
	INVITE		+		←	INVITE	
			Ар	oly post test re	outine		

TP number	IBCF_203_049	Reference		Annex A [3]				
TSS reference	Entry_Point/scr/bcall							
Selection criteria	PICS 7.1.1/3							
Test Purpose name	Content-Language he	ader supported in 180						
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a Content-Language header, ensure that a 180 Ringing response is sent to the other network and the Content-Language header is present as received from the own network.							
SIP Parameter values	180: Content-Langu	lage: fr, de						
Comments								
Message flows	Mx INVITE 180 Ringing	SU ← → Apply post	T ← → test routine	Ic INVITE 180 Ringing				

TP number	IBCF_203_050	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Language hea	ader supported in 200 OK IN	IVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Content-Language header, ensure that a 200 OK INVITE response is sent to the other network and the Content-Language header is present as received from the own network					
SIP Parameter values	200 OK INVITE: Cont	tent-Language: fr, de				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine			

TP number	IBCF 203 051	Reference		Annex A [3]
TSS reference	Entry_Point/scr/bcall	•		
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Language header	supported in ACK		
Test Purpose	When the IBCF receives an ACK request from the other network containing a Content-Language header, ensure that an ACK request is sent to the own network and the Content-Language header is present as received from the other network			
SIP Parameter values	ACK: Content-Language:	fr, de		
Comments				
Message flows	Мх	SUT	-	lc
	INVITE	÷	÷	INVITE
	180 Ringing	→	→	180 Ringing
	200 OK INVITE	→	→	200 OK INVITE
	ACK	÷	←	ACK
		Apply post test r	outine	

TP number	IBCF_203_052	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Language he	ader supported in BYE		
Test Purpose	When the IBCF receives a BYE request from the other network containing a Content-Language header, ensure that a BYE request is sent to the own network and the Content-Language header is present as received from the other network.			
SIP Parameter values	BYE: Content-Langu	age: fr, de		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	+	← BYE	
		Apply post test r	outine	

TP number	IBCF_203_053	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Language he	eader supported in 200 OK B	/E	
Test Purpose	Content-Language he	eader, ensure that a 200 OK E	from the own network containing a 3YE response is sent to the other ent as received from the own network.	
SIP Parameter values	200 OK BYE: Conter	nt-Language: fr, de		
Comments				
Message flows	Mx	SUT	lc	
-	A session is already established			
	BYE	←	← BYE	
	200 OK BYE	→	→ 200 OK BYE	

TP number	IBCF_203_054	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Length header su			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Content-Length header, ensure that an INVITE request is sent to the own network and the Content-Length header is present as received from the other network.			
SIP Parameter values	INVITE: Content-Length	i: [any value]		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	+	← INVITE	
	Apply post test routine			

TP number	IBCF_203_055	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Length heade	er supported in 180		
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a Content-Length header, ensure that a 180 Ringing response is sent to the other network and the Content-Length header is present as received from the own network.			
SIP Parameter values	INVITE: SDP 1 180: Content-Le SDP 2	ngth: [any value]		
Comments				
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post tes	Ic ← INVITE → 180 Ringing st routine	

TP number	IBCF_203_056	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Length head	er supported in 200 OK INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Content-Length header, ensure that a 200 OK INVITE response is sent to the other network and the Content-Length header is present as received from the own network.			
SIP Parameter values	INVITE: SDP 1 200 OK INVITE: Content-Length: [any value] SDP 2			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test re	Ic ← INVITE → 180 Ringing → 200 OK INVITE butine	

TP number	IBCF_203_057	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Length head	ler supported in ACK			
Test Purpose	When the IBCF receives an ACK request from the other network containing a Content-Length header, ensure that an ACK request is sent to the own network and the Content-Length header is present as received from the other network.				
SIP Parameter values	200 OK: SDP 1 ACK: Content-Lu SDP 2	ength: [any value]			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK outine		

	Apply post test routine				
	BYE	←	← BYE		
5	A session is already established				
Message flows	Mx	SUT	lc		
Comments					
SIP Parameter values	BYE: Content-Length	: [any value]			
	Content-Length heade	r is present as received from	the other network.		
	Content-Length header, ensure that a BYE request is sent to the own network and the				
Test Purpose	Test Purpose When the IBCF receives a BYE request from the other network containi				
Test Purpose name	Content-Length heade				
Selection criteria	PICS 7.1.1/3				
TSS reference	Entry_Point/scr/bcall				
TP number	IBCF_203_058	Reference	Annex A [3]		

TP number	IBCF_203_059	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Length heade	er supported in 200 OK BYE		
Test Purpose	Content-Length heade		rom the own network containing a response is sent to the other network red from the own network.	
SIP Parameter values	200 OK BYE: Conten	t-Length: [any value]		
Comments				
Message flows	Mx	SUT	lc	
-	A session is already established			
	BYE	+	← BYE	
	200 OK BYE	→	→ 200 OK BYE	

TP number	IBCF_203_060	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcal	I			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type heade	er supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Content-Type header, ensure that an INVITE request is sent to the own network and the Content-Type header is present as received from the other network.				
SIP Parameter values	INVITE: Content-1	INVITE: Content-Type: application/sdp			
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	+			
	Apply post test routine				

TP number	IBCF_203_061	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header	supported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a Content-Type header, ensure that a 180 Ringing response is sent to the other network and the Content-Type header is present as received from the own network.				
SIP Parameter values	180: Content-Type:	application/sdp			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	+	← INVITE		
	180 Ringing	→	➔ 180 Ringing		
	Apply post test routine				

IBCF_203_062	Reference	Annex A [3]		
Entry_Point/scr/bcall				
PICS 7.1.1/3				
Content-Type header	supported in 200 OKINVITE			
When the IBCF receives a 200 OK INVITE response from the own network containing a Content-Type header, ensure that a 200 OK INVITE response is sent to the other network and the Content-Type header is present as received from the own network.				
200 OK INVITE: Con	tent-Type: application/sdp			
Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → →	Ic ← INVITE → 180 Ringing → 200 OK INVITE		
	Entry_Point/scr/bcall PICS 7.1.1/3 Content-Type header When the IBCF receiv Content-Type header, and the Content-Type 200 OK INVITE: Con Mx INVITE 180 Ringing	Entry_Point/scr/bcall PICS 7.1.1/3 Content-Type header supported in 200 OKINVITE When the IBCF receives a 200 OK INVITE respons Content-Type header, ensure that a 200 OK INVITE and the Content-Type header is present as receive 200 OK INVITE: Content-Type: application/sdp Mx SUT INVITE ← 180 Ringing →		

TP number	IBCF_203_063	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header supported in ACK				
Test Purpose	When the IBCF receives an ACK request from the other network containing a Content-Type header, ensure that an ACK request is sent to the own network and the Content-Type header is present as received from the other network.				
SIP Parameter values	ACK: Content-Type: application/sdp				
Comments		••••••			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → ← Apply post tes	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK st routine		

TP number	IBCF_203_064	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header supported in BYE				
Test Purpose	When the IBCF receives a BYE request from the other network containing a Content-Type header, ensure that a BYE request is sent to the own network and the Content-Type header is present as received from the other network.				
SIP Parameter values	BYE: Content-Type: application/sdp				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	Apply post test routine				

TP number	IBCF_203_065	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall		· · · · ·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header	supported in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Content-Type header, ensure that a 200 OK BYE response is sent to the other network and the Content-Type header is present as received from the own network.				
SIP Parameter values	200 OK BYE: Conten	t-Type: application/sdp			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE 🗲 🗲 BYE				
	200 OK BYE	→	→ 200 OK BYE		
Apply post test routine			routine		

TP number	IBCF_203_06	6 Re	eference	Annex A [3]	
TSS reference	Entry_Point/s	cr/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header	supported in INVITE			
Test Purpose	header, ensu		quest is sent to the	e other network containing a Cseq e own network and the Cseq header	is
SIP Parameter values	INVITE: Cs	eq: [any value] INVI7	ΓE		
Comments					
Message flows	M	X	SUT	lc	
	INVITE	+		← INVITE	
	Apply post test routine				

TP number	IBCF_203_067	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall	-	
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Cseq header supporte	d in 180	
Test Purpose	header, ensure that a		see from the own network containing a Cseq sent to the other network and the Cseq stwork.
SIP Parameter values	180: Cseq: [any valu	ie] INVITE	
Comments			
Message flows	Mx	SUT	lc lc
_	INVITE	÷	← INVITE
	180 Ringing	→	→ 180 Ringing
		Apply post te	est routine

TP number	IBCF_203_068	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	·			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supporte	ed in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Cseq header, ensure that a 200 OK INVITE response is sent to the other network and the Cseq header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Cse	eq: [any value] INVITE			
Comments					
Message flows	Мх	SUT	lc		
	INVITE	÷	← INVITE		
	180 Ringing → → 180 Ringing				
	200 OK INVITE	→	→ 200 OK INVITE		
	Apply post test routine				

TP number	IBCF_203_069	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Cseq header supported in /	ACK				
Test Purpose	When the IBCF receives an ACK request from the other network containing a Cseq header, ensure that an ACK request is sent to the own network and the Cseq header is present as received from the other network.					
SIP Parameter values	ACK: Cseq: [any value] A	СК				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post test routi	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK ne			

TP number	IBCF_203_070	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supporte	ed in BYE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Cseq header, ensure that an INVITE request is sent to the own network and the Cseq header is present as received from the other network.				
SIP Parameter values	BYE: Cseq: [any value	ue] BYE			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	outine				

TP number	IBCF_203_071	Reference	Annex A [3]				
TSS reference	Entry_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Cseq header supporte	ed in 200 OK BYE					
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Cseq header, ensure that a 200 OK BYE response is sent to the other network and the Cseq header is present as received from the own network.						
SIP Parameter values	200 OK BYE: Cseq: [a	any value] BYE					
Comments							
Message flows	Mx	SUT	lc				
	A session is already established						
	BYE	BYE					
	200 OK BYE	200 OK BYE → 200 OK BYE					

TP number	IBCF_203_072	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bc	all			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header suppo	orted in INVITE			
Test Purpose	header, ensure that		m the other network containing a Date othe own network and the Date header is		
SIP Parameter values	INVITE: Date: W	/en, 23 Mar 2011 13:03:00 G	MT		
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	÷			
	Apply post test routine				

TP number	IBCF_203_073	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Date header supporte	ed in 180				
Test Purpose	header, ensure that a		from the own network containing a Date nt to the other network and the Date ork.			
SIP Parameter values		Mar 2011 13:03:00 GMT				
Comments						
Message flows	Mx	SUT	lc			
	INVITE 🗲 🗲 INVITE					
	180 Ringing	→	→ 180 Ringing			
	Apply post test routine					

TP number	IBCF_203_074	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Date header supporte	d in 200 OK INVITE				
Test Purpose	Date header, ensure t	When the IBCF receives a 200 OK INVITE response from the own network containing a Date header, ensure that a 200 OK INVITE response is sent to the other network and the Date header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Date	e: Wen, 23 Mar 2011 13:03:0	0 GMT			
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine			

TP number	IBCF_203_075	Refe	rence		Annex A [3]	
TSS reference	Entry_Point/scr/bcall	•				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Date header supporte	ed in ACK				
Test Purpose	When the IBCF receives an ACK request from the other network containing a Date, ensure that an ACK request is sent to the own network and the Date header is present as received from the other network.					
SIP Parameter values	ACK: Date: Wen, 23	Mar 2011 13:0	3:00 GMT			
Comments						
Message flows	Мх		SUT		lc	
	INVITE 180 Ringing 200 OK INVITE ACK	← → → ←		\leftarrow \rightarrow \rightarrow \leftarrow	INVITE 180 Ringing 200 OK INVITE ACK	
		Ар	oly post test rout	ine		

TP number	IBCF_203_076	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header supporte	ed in BYE			
Test Purpose		sent to the own network and	her network containing a Date, ensure the Date header is present as received		
SIP Parameter values	BYE: Date: Wen, 23	3 Mar 2011 13:03:00 GMT			
Comments					
Message flows	Мх	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	Apply post test routine				

TP number	IBCF_203_077	Reference	Annex A [3]				
TSS reference	Entry_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Date header supporte						
Test Purpose	header, ensure that a	ves a 200 OK BYE response f 200 OK BYE response is sen received from the own networl	rom the own network containing a Date It to the other network and the Date k.				
SIP Parameter values	200 OK BYE: Date: W	/en, 23 Mar 2011 13:03:00 GI	MT				
Comments							
Message flows	Mx	SUT	lc				
		A session is already established					
	BYE	÷	← BYE				
	200 OK BYE	→	→ 200 OK BYE				

TP number	IBCF_203	3_078	Reference		Annex A [3]
TSS reference	Entry_Poi	int/scr/bcall			
Selection criteria	PICS 7.1.	1/3			
Test Purpose name	Expires h	eader supported	l in INVITE		
Test Purpose	header, e	nsure that an IN		ent to the own net	twork containing a Expires work and the Expires header
SIP Parameter values	INVITE:	Expires: 3600			
Comments					
Message flows		Mx		SUT	lc
-	INVITE		÷	+	INVITE
			Apply po	st test routine	

TP number	IBCF_203_079	Reference	Annex A [3]				
TSS reference	Entry_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Expires header supported	in 180					
Test Purpose		at a 180 Ringing respons	om the own network containing a e is sent to the other network and the n network.				
SIP Parameter values	180: Expires: 3600						
Comments							
Message flows	Mx	SUT	lc				
	INVITE	÷	← INVITE				
	180 Ringing	→	➔ 180 Ringing				
		Apply post test i	outine				

TP number	IBCF_203_080	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Expires header suppo	rted in 200 OK INVITE	
Test Purpose	Expires header, ensur		se from the own network containing a onse is sent to the other network and own network.
SIP Parameter values	200 OK INVITE: Expi	res: 3600	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine

TP number	IBCF_203_08	31 F	Reference	Annex	A [3]
TSS reference	Entry_Point/s	cr/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Event header	supported in SUBC	CRIBE		
Test Purpose	header, ensu	CF receives a SUBS re that a SUBSCRIE sent as received fro	BE request is sent	to the own networ	k containing a Event k and the Event
SIP Parameter values	SUBSRIBE:	Event: call-comple	tion		
Comments					
Message flows	N	x	SUT		lc
-	SUBSRIBE	+		← SUBSE	RIBE
			Apply post test r	outine	

TP number	IBCF_203_082	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Event header support	ted in NOTIFY			
Test Purpose	header, ensure that a		ne other network containing a Event e own network and the Event header is		
SIP Parameter values	NOTIFY: Event: call-	-completion			
Comments					
Message flows	Mx NOTIFY	SUT	Ic ← NOTIFY		
	Apply post test routine				

TP number	IBCF_203_083	Refe	rence	Annex A [3]	
TSS reference	Entry_Point/scr	r/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header su	upported in INVITE			
Test Purpose	header, ensure		est is sent to the	other network containing a From own network and the From header is	
SIP Parameter values	INVITE: From: <[any URI]>; tag=[any value]				
Comments					
Message flows	Mx		SUT	lc	
	INVITE	+		← INVITE	
		Ар	ply post test rou	utine	

TP number	IBCF_203_084	Reference		Annex A [3]
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	From header supporte	ed in 180		
Test Purpose		180 Ringing response	e is sent to the o	wn network containing a From ther network and the From
SIP Parameter values	180: From: <[any U	RI]>; tag=[any value]		
Comments				
Message flows	Mx	S	UT	lc
_	INVITE	+	+	INVITE
	180 Ringing	→	→	180 Ringing
		Apply pos	st test routine	

TP number	IBCF_203_085	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header supporte	d 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a From header, ensure that a 200 OK INVITE response is sent to the other network and the From header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Fron	n: <[any URI]>; tag=[any va	lue]		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_086	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall	·	· · · · ·
Selection criteria	PICS 7.1.1/3		
Test Purpose name	From header supporte	d in ACK	
Test Purpose		ACK request is sent to the	e other network containing a From e own network and the From header is
SIP Parameter values	ACK: From: <[any UF	RI]>; tag=[any value]	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → ←	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK
		Apply post test	- //0//

SIP Parameter values BYE: Fr	rom: <[any URI]>; tag=[any \	value]	
Comments		-	
Message flows	Mx	SUT	lc

TP number	IBCF_203_088	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header support	ed 200 OK BYE			
Test Purpose	header, ensure that a		rom the own network containing a From It to the other network and the From K.		
SIP Parameter values	200 OK BYE: From: <	<[any URI]>; tag=[any value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
		Apply post test r	outine		

TP number	IBCF_203_089	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2	/19			
Test Purpose name	Geolocation header supported	d in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Geolocation header, ensure that an INVITE request is sent to the own network and the Geolocation header is present as received from the other network.				
SIP Parameter values	INVITE: Geolocation: <sip:[any uri]="">; inserted-by=[any host-ID value]</sip:[any>				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	÷	INVITE		
	Apply post test routine				

TP number	IBCF_203_090	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/19				
Test Purpose name	Geolocation header s	supported in BYE				
Test Purpose	When the IBCF receives a BYE request from the other network containing a Geolocation header, ensure that a BYE request is sent to the own network and the Geolocation header is present as received from the other network.					
SIP Parameter values	BYE: Geolocation: <	sip:[any URI]>; inserted-by	=[any host-ID value]			
Comments						
Message flows	Mx	SUT	lc			
_		A session is already established				
	BYE 🗲 🗲 BYE					
	200 OK BYE → 200 OK BYE					
	Apply post test routine					

TP number	IBCF_203_091	Reference	Annex A [3]				
TSS reference	Entry_Point/scr/bcall	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/	19					
Test Purpose name	Geolocation-Error header supp	ported in 180					
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a Geolocation-Error header, ensure that a 180 Ringing response is sent to the other network and the Geolocation-Error header is present as received from the own network.						
SIP Parameter values	180: Geolocation-Error: "123	";[any node ID];inserter=[any h	ost name]; code="any error"				
Comments							
Message flows	Mx	SUT	lc				
	INVITE 🗲	• •	INVITE				
	180 Ringing →	·	180 Ringing				
	200 OK INVITE	· →	200 OK INVITE				
	ACK 🗧	· +	ACK				
	A session is already established						
	BYE 🗲	· · · · · · · · · · · · · · · · · · ·	BYE				
	200 OK BYE ->	· •	200 OK BYE				
		Apply post test routine					

TP number	IBCF_203_092	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/19				
Test Purpose name	Geolocation-Error hea	ader supported in 200 OK I	NVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Geolocation-Error header, ensure that a 200 OK INVITE response is sent to the other network and the Geolocation-Error header is present as received from the own network.					
SIP Parameter values	200 OK INVITE: Geo code="any error"	blocation-Error: "123";[any i	node ID];inserter=[any host name];			
Comments						
Message flows	Mx	SUT	lc			
	INVITE	+	← INVITE			
	180 Ringing → → 180 Ringing					
	200 OK INVITE → 200 OK INVITE					
		Apply post test routine				

TP number	IBCF_203_093	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/19				
Test Purpose name	Geolocation-Error hea	ader supported in BYE				
Test Purpose	When the IBCF receives a BYE request from the other network containing a Geolocation-Error header, ensure that a BYE request is sent to the own network and the Geolocation-Error header is present as received from the other network.					
SIP Parameter values	200 OK BYE: Geoloca error"	200 OK BYE: Geolocation-Error: "123";[any node ID];inserter=[any host name]; code="any				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	+	← BYE			
	Apply post test routine					

TP number	IBCF_203_094	Refer	ence	Annex A [3]
TSS reference	Entry_Point/scr/bcall			· · · ·
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Max-Breadth header n	ot supported in	INVITE	
Test Purpose		ensure that an I		other network containing a sent to the own network and the
SIP Parameter values	INVITE 1: Max-Breadt	h: 10		
Comments				
Message flows	Mx INVITE	+	SUT	Ic ← INVITE
		Арр	ly post test rou	tine

TP number	IBCF_203_095	Reference		Annex A [3]			
TSS reference	Entry_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Max-Breadth header r	not supported in ACK					
Test Purpose		When the IBCF receives an ACK request from the other network containing a Max-Breadth header, ensure that an ACK request is sent to the own network and the Max-Breadth header is not present.					
SIP Parameter values	ACK 1: Max-Bread	ACK 1: Max-Breadth: 10					
Comments							
Message flows	Mx	SUT		lc			
	INVITE	+	÷	INVITE			
	180 Ringing	180 Ringing → → 180 Ringing					
	200 OK INVITE	200 OK INVITE → 200 OK INVITE					
	ACK						
		Apply post to	est routine				

TP number	IBCF_203_096	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Max-Breadth header no	ot supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing a Max-Breadth header, ensure that a BYE request is sent to the own network and the Max-Breadth header is not present as received from the own network.				
SIP Parameter values	BYE 1:Max-Breadth: 10 BYE 2:)			
Comments					
Message flows	Mx BYE	SUT A session is already e ←	lc established ← BYE		
	Apply post test routine				

TP number	IBCF_203	3_097	Refe	ence		Annex A [3]	
TSS reference	Entry_Po	int/scr/bcall					
Selection criteria	PICS 7.1.	.1/3					
Test Purpose name	Max-Forw	vards header	supported in II	NVITE			
Test Purpose	Max-Forw	When the IBCF receives an INVITE request from the other network containing a Max-Forwards header, ensure that an INVITE request is sent to the own network and the Max-Forwards header is present as received from the other network.					
SIP Parameter values	INVITE:	Max-Forwa	rds: [any value]				
Comments							
Message flows		Мх		SUT		lc	
_	INVITE		←		←	INVITE	
	Apply post test routine						

TP number	IBCF_203_098	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Max-Forwards header	supported in ACK				
Test Purpose	When the IBCF receives an ACK request from the other network containing a Max-Forwards header, ensure that an ACK request is sent to the own network and the Max-Forwards header is present as received from the other network.					
SIP Parameter values	ACK: Max-Forwards:					
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK routine			

TP number	IBCF_203_099	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Max-Forwards heade	r supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing a Max-Forwards header, ensure that a BYE request is sent to the own network and the Max-Forwards header is present as received from the other network.				
SIP Parameter values	BYE: Max-Forwards	: [any value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	Apply post test routine				

TP number	IBCF_203_100	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PICS 7	7.2.1/1				
Test Purpose name	Min-Expires header suppo	orted				
Test Purpose	When the IBCF receives a 423 Interval Too Brief response from the own (home) network containing a Min-Expires header upon sent a REGISTER request to the own (home) network, ensure that the 423 Interval Too Brief response is sent to the other (visited) network and the Min-Expires header is present as received from the own network.					
SIP Parameter values	423: Min-Expires: [any value]					
Comments						
Message flows	Mx	SUT	lc			
_	REGISTER	+	← REGISTER			
	423 Interval Too Brief	→	→ 423 Interval Too Brief			

TP number	IBCF_203	3_101	Reference		Annex A [3]	
TSS reference	Entry_Po	int/scr/bcall				
Selection criteria	PICS 7.1.					
Test Purpose name	Organizat	tion header supported	in INVITE			
Test Purpose	Organizat	When the IBCF receives an INVITE request from the other network containing a Organization header, ensure that an INVITE request is sent to the own network and the Organization header is present as received from the other network.				
SIP Parameter values	INVITE:	INVITE: Organization: "ETSI-INT"				
Comments						
Message flows		Mx	SUT		lc	
	INVITE	+		←	INVITE	
	Apply post test routine					

TP number	IBCF_203_102	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Organization header s	supported in 180	
Test Purpose	Organization header,		from the own network containing a esponse is sent to the other network and om the own network.
SIP Parameter values	180: Organization: "	ETSI-INT"	
Comments			
Message flows	Mx	SUT	lc
	INVITE	÷	← INVITE
	180 Ringing	→	➔ 180 Ringing
		Apply post tes	troutine

TP number	IBCF_203_103	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	·	· •		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Organization header s	upported in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Organization header, ensure that a 200 OK INVITE response is sent to the other network and the Organization header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Orga	anization: "ETSI-INT"			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_104	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND NC	DT PICS 7.2.2/3				
Test Purpose name	The P-Charging-Vector	or header is supported in 180)			
Test Purpose	When the IBCF sends P-Charging-Vector is	When the IBCF sends a 180 Ringing response to the other network, ensure that the P-Charging-Vector is present as received from the own network.				
SIP Parameter values	180: P-Charging-Ve	ector: icid; orig-ioi; term-ioi				
Comments						
Message flows	Mx	SUT	lc			
_	INVITE	+	← INVITE			
	180 Ringing	→	➔ 180 Ringing			
	Apply post test routine					

	Apply post test routine				
	180 Ringing 200 OK INVITE	\rightarrow	→ →	180 Ringing 200 OK INVITE	
	INVITE	+	+	INVITE	
Message flows	Mx		SUT	lc	
Comments					
SIP Parameter values	200 OK INVITE: P-C	harging-Vector: ic	id; orig-ioi; term-ioi		
		P-Charging-Vector is present as received from the own network.			
Test Purpose		When the IBCF sends a 200 OK INVITE response to the other network, ensure that the			
Test Purpose name	The P-Charging-Vector				
Selection criteria	PICS 7.1.1/3 AND NC	T PICS 7.2.2/3			
TSS reference	Entry_Point/scr/bcall				
TP number	IBCF_203_105	Referen	nce	Annex A [3]	

TP number	IBCF_203_106	Reference		Annex A [3]		
TSS reference	Entry_Point/scr/bcall			· · ·		
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/3				
Test Purpose name	The P-Charging-Vect	or header is not suppor	ted in 180			
Test Purpose		When the IBCF sends a 180 Ringing response to the other network, ensure that the P-Charging-Vector is not present.				
SIP Parameter values	180 1: P-Charging-Ve	ector: icid; orig-ioi; term	-ioi			
Comments						
Message flows	Mx INVITE 180 Ringing 1	SL ← → Apply post	JT ← → test routine	Ic INVITE 180 Ringing 2		

TP number	IBCF_203_107	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·	· · · · ·			
Selection criteria	PICS 7.1.1/3 AND NC	DT PICS 7.2.2/3				
Test Purpose name	The P-Charging-Vector	or header is supported in 200	OK INVITE			
Test Purpose		When the IBCF sends a 200 OK INVITE response to the other network, ensure that the P-Charging-Vector is not present.				
SIP Parameter values	200 OK INVITE 1: 1 200 OK INVITE 2:	P-Charging-Vector: icid; orig-	ioi; term-ioi			
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 routine			

TP number	IBCF_203_108	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	P-Media-Authorization head	er not supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a P-Media-Authorization header, ensure that an INVITE request is sent to the own network and the P-Media-Authorization header is not present.				
SIP Parameter values	INVITE 1: P-Media-Authorization: 001d56ad781f				
Comments	The P-Media-Authorization I	neader is combined with the	resourece reservation procedure		
Message flows	Mx SUT Ic				
	INVITE	← Apply post test routin	← INVITE ne		

TP number	IBCF_203_109	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	P-Media-Authorization head	der not supported in 183			
Test Purpose		When the IBCF receives a 183 Session Progress response from the own network containing a P-Media-Authorization header, ensure that a 183 Session Progress response			
		is sent to the other network and the P-Media-Authorization header is not present.			
SIP Parameter values	183 1: P-Media-Authorizati	183 1: P-Media-Authorization: 001d56ad781f			
	183 2:				
Comments	The P-Media-Authorization	header is combined with	the resourece reservation procedure		
Message flows	Mx	SUT	lc		
	INVITE	+	← INVITE		
	183 Session Progress 1	→	➔ 183 Session Progress 2		
	Apply post test routine				

TP number	IBCF_203_110	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	P-Media-Authorization hea	der not supported in 200) OK INVITE			
Test Purpose	P-Media-Authorization hea	When the IBCF receives a 200 OK INVITE response from the own network containing a P-Media-Authorization header, ensure that a 200 OK INVITE response is sent to the other network and the P-Media-Authorization header is not present.				
SIP Parameter values	200 OK INVITE 1: P-Me 200 OK INVITE 2:	dia-Authorization: 001d5	i6ad781f			
Comments	The P-Media-Authorization	header is combined wit	h the resourece reservation procedure			
Message flows	Mx INVITE 183 Session Progress 200 OK INVITE 1	SUT ↔	Ic ← INVITE → 183 Session Progress → 200 OK INVITE 2			
		Apply post test i	outine			

TP number	IBCF_203_111	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	P-Preferred-Identity header no	ot supported in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the other network containing a P-Preferred-Identity header, ensure that an INVITE request is sent to the own network and the P-Preferred-Identity header is not present.			
SIP Parameter values	INVITE 1: P-Preferred-Identit	y: <[any URI]>		
Comments				
Message flows	Mx INVITE 2	SUT Apply post test routine	IC INVITE 1	

TP number	IBCF 203 112	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	•				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	P-Preferred-Identity he	eader not supported in 180				
Test Purpose	P-Preferred-Identity he	When the IBCF receives a 180 Ringing response from the own network containing a P-Preferred-Identity header, ensure that a 180 Ringing response is sent to the other network and the P-Preferred-Identity header is not present.				
SIP Parameter values	180 1: P-Preferred-Ide	180 1: P-Preferred-Identity: <[any URI]>				
Comments						
Message flows	Mx	SUT	lc			
_	INVITE	+	← INVITE			
	180 Ringing 1	→	➔ 180 Ringing 2			
	Apply post test routine					

TP number	IBCF_203_113	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	·	· · · · · · · · · · · · · · · · · · ·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	P-Preferred-Identity he	eader not supported in 20	0 OK INVITE		
Test Purpose			oonse from the own network containing a		
			OK INVITE response is sent to the other		
	network and the P-Pre	ferred-Identity header is	not present.		
SIP Parameter values	200 OK INVITE 1: F	P-Preferred-Identity: <[any	/ URI]>		
	200 OK INVITE 2:				
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	+	← INVITE		
	180 Ringing	→	➔ 180 Ringing		
	200 OK INVITE 1	→	→ 200 OK INVITE 2		
		Apply post te	est routine		

TP number	IBCF_203_114	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		· • • •
Selection criteria	PICS 7.1.1/3		
Test Purpose name	P-Preferred-Service h	neader not supported in l	INVITE
Test Purpose	P-Preferred-Service h		rom the other network containing a NVITE request is sent to the own network ar t.
SIP Parameter values			p-service.exampletelephony.version1
Comments			
Message flows	Mx INVITE 2	SUT ←	← INVITE 1
		Apply post t	test routine

TP number	IBCF_203_115	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3 AND P		
Test Purpose name	P-User-Database he	ader supported in INVITE	
Test Purpose	P-User-Database he	ives an INVITE request from t ader, ensure that an INVITE r e header is present as receive	equest is sent to the own network and
SIP Parameter values	INVITE: P-User-Da	atabase: <[any DiameterURI]>	•
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	
		Apply post test	routine

TP number	IBCF_203_116	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		· · · · ·
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PICS 7.2.2/1	4
Test Purpose name	P-User-Database hea	ader supported in REGISTER	
Test Purpose	When the IBCF recei	ves a REGISTER request from	n the other network containing a
	P-User-Database hea	ader, ensure that a REGISTE	R request is sent to the own network and
	the P-User-Database	eader is present as received	from the other network.
SIP Parameter values	REGISTER: P-User	-Database: <[any DiameterUl	RI]>
Comments			
Message flows	Mx	SUT	lc
-	REGISTER	←	← REGISTER
		Apply post test	routine

TP number	IBCF_203_11	7 Reference	Annex A [3]		
TSS reference	Entry_Point/se	cr/bcall			
Selection criteria	PICS 7.1.1/3	AND PICS 7.2.1/1 AND PICS 7.2.2	(15		
Test Purpose name	P-Visited-Net	work-ID header supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a P-Visited-Network-ID-Service header, ensure that an INVITE request is sent to the own network and the P-Visited-Network-ID header is present as received from the other network.				
SIP Parameter values	INVITE: P-\	/isited-Network-ID: "Visited network	number 1"		
Comments					
Message flows	M	x SUT	lc		
	INVITE	+			
		Apply post tes	t routine		

TP number	IBCF_203_118			Annex A [3]
TSS reference	Entry_Point/scr/			
Selection criteria	PICS 7.1.1/3 AN	ND PICS 7.2.1/1 AND PICS 7	.2.2/15	
Test Purpose name	P-Visited-Netwo	ork-ID header supported in RE	EGISTER	
Test Purpose	P-Visited-Netwo	receives a REGISTER reque ork-ID header, ensure that a F ed-Network-ID header is prese	REGISTER requ	est is sent to the own network
SIP Parameter values		-Visited-Network-ID: "Visited		
Comments				
Message flows	Mx	SL	IT	lc
	REGISTER	+	+	REGISTER
		Apply post	test routine	

TP number	IBCF_203_119	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/1	
Test Purpose name	P-Visited-Network-ID I	header not supported in INV	ITE
Test Purpose	P-Visited-Network-ID I		he other network containing a FE request is sent to the own network t.
SIP Parameter values	INVITE 1: P-Visited-N	etwork-ID: "Visited network r	number 1"
Comments			
Message flows	Mx INVITE 2	SUT ← Apply post test	Ic ← INVITE 1 routine

TP number	IBCF_203	3_120	Refe	rence		Annex A [3]	
TSS reference	Entry_Po	int/scr/bcall				-	
Selection criteria	PICS 7.1.	.1/3					
Test Purpose name	Proxy-Re	quire header	supported in I	NVITE			
Test Purpose	Proxy-Re	quire header	, ensure that a		est is sen	etwork containing a t to the own network and the network.	;
SIP Parameter values	INVITE:	Proxy-Requ	ire: etsi-int13				
Comments							
Message flows		Mx		SUT		lc	
_	INVITE		←		←	INVITE	
	Apply post test routine						

IBCF_203_121	Reference	Annex A [3]
Entry_Point/scr/bcall		
PICS 7.1.1/3		
Proxy-Require header	r supported in ACK	
Proxy-Require header	r, ensure that an ACK reque	st is sent to the own network and the
ACK: Proxy-Require	: etsi-int13	
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK
	Entry_Point/scr/bcall PICS 7.1.1/3 Proxy-Require header When the IBCF receiv Proxy-Require header Proxy-Require header ACK: Proxy-Require Mx INVITE 180 Ringing 200 OK INVITE	Entry_Point/scr/bcall PICS 7.1.1/3 Proxy-Require header supported in ACK When the IBCF receives an ACK request from the Proxy-Require header, ensure that an ACK request Proxy-Require header is present as received from ACK: Proxy-Require: etsi-int13 Mx SUT INVITE ← 180 Ringing → 200 OK INVITE →

TP number	IBCF_203_122	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Proxy-Require header	supported in BYE			
Test Purpose	Proxy-Require header	es an BYE request from the c , ensure that an BYE request is present as received from the	is sent to the own network and the		
SIP Parameter values	BYE: Proxy-Require:	etsi-int13			
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	+	← BYE		
		Apply post test re	outine		

TP number	IBCF_203_12	23	Reference		Annex A [3]
TSS reference	Entry_Point/s	cr/bcall			
Selection criteria	PICS 7.1.1/3	AND PICS 7.2.1/1			
Test Purpose name	Proxy-Requir	e header supported	d in REGISTER		
Test Purpose	Proxy-Requir	e header, ensure th		uest is se	network containing a ent to the own network and er network.
SIP Parameter values	REGISTER:	Proxy-Require: et	si-int13		
Comments					
Message flows	N	x	SUT		lc
	REGISTER	+		←	REGISTER
			Apply post test rou	utine	

TP number	IBCF_203_124	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3 AND P	ICS 7.2.2/18	
Test Purpose name	Reject-Contact head	er supported in INVITE	
Test Purpose	Reject-Contact head	ives an INVITE request from th er, ensure that an INVITE requ er is present as received from t	est is sent to the own network and the
SIP Parameter values	INVITE: Reject-Co	ntact: *;actor="msg-taker";video	0
Comments			
Message flows	Mx	SUT	lc
	INVITE	← Apply post test re	← INVITE

TP number	IBCF_203_125	Reference		Annex A [3]	
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.2/18			
Test Purpose name	Reject-Contact header s	supported in ACK			
Test Purpose	When the IBCF receives an ACK request from the other network containing a Reject-Contact header, ensure that an ACK request is sent to the own network and the Reject-Contact header is present as received from the other network.				
SIP Parameter values	ACK: Reject-Contact: *	;actor="msg-taker";vic	leo		
Comments					
Message flows	Mx	SU	Г	lc	
	INVITE	+	÷	INVITE	
	180 Ringing	→	→	180 Ringing	
	200 OK INVITE	→	→	200 OK INVITE	
	ACK	÷	÷	ACK	
		Apply post	test routine		

TP number	IBCF_203_126	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	· · · · · · · · · · · · · · · · · · ·				
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/18				
Test Purpose name	Reject-Contact header	r supported in BYE				
Test Purpose	When the IBCF receives a BYE request from the other network containing a Reject-Contact header, ensure that a BYE request is sent to the own network and the Reject-Contact header is present as received from the other network.					
SIP Parameter values		: *;actor="msg-taker";video				
Comments						
Message flows	Mx	SUT	lc			
_	A session is already established					
	BYE	+	← BYE			
	Apply post test routine					

TP number	IBCF_203_12	7	Reference		Annex A [3]
TSS reference	Entry_Point/so	r/bcall			
Selection criteria	PICS 7.1.1/3	AND PICS 7.2.2/1	8		
Test Purpose name	Request-Dispo	osition header sup	oported in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Request-Disposition header, ensure that an INVITE request is sent to the own network and the Request-Disposition header is present as received from the other network.				
SIP Parameter values	INVITE: Request-Disposition: no-fork				
Comments					
Message flows	M	K	SUT		lc
	INVITE	+		÷	INVITE
	Apply post test routine				

IBCF_203_128	Reference	Annex A [3]
Entry_Point/scr/bcall		
PICS 7.1.1/3 AND PIC	CS 7.2.2/18	
Request-Disposition h	eader supported in ACK	
Request-Disposition h	eader, ensure that an ACK	request is sent to the own network and
ACK: Request-Dispo	sition: no-fork	
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post tes	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK t routine
	Entry_Point/scr/bcall PICS 7.1.1/3 AND PIC Request-Disposition h When the IBCF receiv Request-Disposition h the Request-Disposition ACK: Request-Disposition Mx INVITE 180 Ringing 200 OK INVITE	Entry_Point/scr/bcall PICS 7.1.1/3 AND PICS 7.2.2/18 Request-Disposition header supported in ACK When the IBCF receives an ACK request from the Request-Disposition header, ensure that an ACK the Request-Disposition header is present as rec ACK: Request-Disposition header supported in ACK INVITE € 180 Ringing ⇒ 200 OK INVITE ⇒ ACK €

TP number	IBCF_203_129	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	·			
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.2/18			
Test Purpose name	Request-Disposition he	ader supported in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing a Request-Disposition header, ensure that a BYE request is sent to the own network and the Request-Disposition header is present as received from the other network.				
SIP Parameter values	BYE: Request-Dispos				
Comments					
Message flows	Mx	SUT	lc		
_		established			
	BYE	+	← BYE		
		Apply post test re	outine		

TP number	IBCF_203_130	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bca				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header sup	ported in INVITE			
Test Purpose	header, ensure that		the other network containing a Require the own network and the Require header		
SIP Parameter values	INVITE: Require:	100rel			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	+			
	Apply post test routine				

TP number	IBCF_203_131	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header suppo	rted in 180			
Test Purpose	Require header, ensur	es a 180 Ringing response to that a 180 Ringing respor sent as received from the ov	from the own network containing a use is sent to the other network and the wn network.		
SIP Parameter values	180: Require: 100rel				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	÷			
	180 Ringing	→	→ 180 Ringing		
	Apply post test routine				

TP number	IBCF_203_132	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header suppo	rted in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Require header, ensure that a 200 OK INVITE response is sent to the other network and the Require header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Req	uire: timer			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_133	Reference		Annex A [3]
TSS reference	Entry_Point/scr/bcall	•		
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Require header suppo	orted in ACK		
Test Purpose		n ACK request is sent		work containing a Require ork and the Require header is
SIP Parameter values	ACK: Require: 100re			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	← → → ←	UT ← → ← t test routine	IC INVITE 180 Ringing 200 OK INVITE ACK

TP number	IBCF_203_134	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header suppo	orted in BYE			
Test Purpose	header, ensure that a		e other network containing a Require e own network and the Require header		
SIP Parameter values	BYE: Require: timer				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	Apply post test routine				

TP number	IBCF_203_135	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Require header suppo	orted in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Require header, ensure that a 200 OK BYE response is sent to the other network and the Require header is present as received from the own network.				
SIP Parameter values	200 OK BYE: Require: timer				
Comments					
Message flows	Mx	SUT	lc		
-	A session is already established				
	BYE	F			

TP number	IBCF_203_136	Refer	ence	Annex A [3]
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1		
Test Purpose name	Security-Client heade	r not supported	in REGISTER	
Test Purpose		der, ensure that	an REGISTER re	e other (visited) network containing equest is sent to the own (home)
SIP Parameter values	REGISTER 1:Securit	y-Client: tls		
Comments				
Message flows	Mx REGISTER	← App	SUT ly post test rout	Ic ← REGISTER ine

TP number	IBCF_203_137	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS	57.2.1/1			
Test Purpose name	Security-Server header	not supported in 200 OK	REGISTER		
Test Purpose	containing a Security-Se	When the IBCF receives a 200 OK REGISTER response from the own (home) network containing a Security-Server header, ensure that a 200 OK REGISTER response is sent to the other (visited) network and the Security-Server header is not present.			
SIP Parameter values	200 OK 1: Security-Serv 200 OK 2:	ver: tls;q=0.2			
Comments					
Message flows	Mx REGISTER 200 OK REGISTER	SUT ← →	IC ← REGISTER → 200 OK REGISTER		

TP number	IBCF_203_138	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	·				
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1				
Test Purpose name	Security-Verify heade	Security-Verify header not supported				
Test Purpose		When the IBCF receives an INVITE request from the own (visited) network containing a				
			quest is sent to the other (home) network			
	and the Security-Verit	fy header is not present.				
SIP Parameter values	INVITE 1: Security-Ve	erify: tls;q=0.2				
	INVITE 2:					
Comments						
Message flows	Mx	SUT	lc			
	INVITE	+	← INVITE			
	180 Ringing	→	➔ 180 Ringing			
	200 OK INVITE	→	→ 200 OK INVITE			
	ACK	+	← ACK			
	A session is already established					
	BYE	+	← BYE			
	200 OK BYE	→	→ 200 OK BYE			
		Apply post test	routine			

TP number	IBCF_203_139	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.2/16		
Test Purpose name	Session-Expires header			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Session-Expires header, ensure that an INVITE request is sent to the own network and the Session-Expires header is present as received from the other network.			
SIP Parameter values	INVITE: Session-Expi	res:		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	←	← INVITE	
	Apply post test routine			

TP number	IBCF_203_140	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/16			
Test Purpose name	Session-Expires head	er supported in 200 OK INVI	TE		
Test Purpose	Session-Expires head	When the IBCF receives a 200 OK INVITE request from the own network containing a Session-Expires header, ensure that a 200 OK INVITE request is sent to the other network and the Session-Expires header is present as received from the own network.			
SIP Parameter values	200 OK INVITE: Ses	sion-Expires: [any value]			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_14	1 R	eference	Annex A [3]		
TSS reference	Entry_Point/so	cr/bcall				
Selection criteria	PICS 7.1.1/3	PICS 7.1.1/3				
Test Purpose name	Supported hea	ader supported in IN	IVITE			
Test Purpose	header, ensur	When the IBCF receives an INVITE request from the other network containing a Supported header, ensure that an INVITE request is sent to the own network and the Supported header is present as received from the other network.				
SIP Parameter values	INVITE: Sup	oported: 100rel				
Comments						
Message flows	M	x	SUT	lc		
	INVITE	+	÷	- INVITE		
	Apply post test routine					

TP number	IBCF_203_142	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Supported header sup	oported in 200 OK INVITE	
Test Purpose	Supported header, en		se from the own network containing a esponse is sent to the other network and the own network.
SIP Parameter values	200 OK INVITE: Sup	ported: timer	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine

TP number	IBCF_203_143	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Supported header suppo	rted in BYE		
Test Purpose	When the IBCF receives a BYE request from the other network containing a Supported header, ensure that a BYE request is sent to the own network and the Supported header is present as received from the other network.			
SIP Parameter values	BYE: Supported: timer			
Comments				
Message flows	Mx	SUT	lc	
-	A session is already established			
	BYE	←	← BYE	
		Apply post test re	outine	

TP number	IBCF_203_144	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Supported header sup	ported in 200 OK BYE				
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Supported header, ensure that a 200 OK BYE response is sent to the other network and the Supported header is present as received from the own network.					
SIP Parameter values	200 OK BYE: Supported: timer					
Comments						
Message flows	Mx	SUT	lc			
		A session is already established				
	BYE	BYE 🗲 🗲 BYE				
	200 OK BYE	200 OK BYE → 200 OK BYE				

TP number	IBCF_203_145	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Timestamp header supported i	n INVITE		
Test Purpose	When the IBCF receives an IN Timestamp header, ensure tha Timestamp header is present a	t an INVITE request is sent to t	the own network and the	
SIP Parameter values	INVITE: Timestamp: [any va	ue]		
Comments				
Message flows	Mx	SUT	lc	
	INVITE 🗲	+	INVITE	
	Apply post test routine			

TP number	IBCF_203_146	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header sup	pported in 180			
Test Purpose	Timestamp header, en		from the own network containing a sponse is sent to the other network and n the own network.		
SIP Parameter values	180: Timestamp: [ar	ny value]			
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	←			
	180 Ringing	→	➔ 180 Ringing		
		Apply post test routine			

TP number	IBCF_203_147	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header su	pported in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a Timestamp header, ensure that a 200 OK INVITE response is sent to the other network and the Timestamp header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: Time	estamp: [any value]			
Comments					
Message flows	Мх	SUT	lc		
	INVITE	+			
	180 Ringing	→	➔ 180 Ringing		
	200 OK INVITE	→	→ 200 OK INVITE		
	Apply post test routine				

TP number	IBCF_203_148	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header su	pported in ACK			
Test Purpose	When the IBCF receives an ACK request from the other network containing a Timestamp header, ensure that an ACK request is sent to the own network and the Timestamp header is present as received from the other network.				
SIP Parameter values	ACK: Timestamp: [ar	ny value]			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post te	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK st routine		

TP number	IBCF_203_149	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header sup	oported in BYE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Timestamp header, ensure that an INVITE request is sent to the own network and the Timestamp header is present as received from the other network.				
SIP Parameter values	BYE: Timestamp: [an	iy value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
	Apply post test routine				

TP number	IBCF_203_150	Reference	Annex A/[3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Timestamp header su	pported in 200 OK BYE				
Test Purpose	Timestamp header, ei	When the IBCF receives a 200 OK BYE response from the own network containing a Timestamp header, ensure that a 200 OK BYE response is sent to the other network and the Timestamp header is present as received from the own network				
SIP Parameter values	200 OK BYE: Timesta	amp: [any value]				
Comments						
Message flows	Mx	SUT	lc			
_		A session is already established				
	BYE	BYE 🗲 🗲 BYE				
	200 OK BYE	200 OK BYE → 200 OK BYE				

TP number	IBCF_203_	151	Reference		Annex A [3]	
TSS reference	Entry_Poin	t/scr/bcall				
Selection criteria	PICS 7.1.1	/3				
Test Purpose name	To header	supported in INVITE				
Test Purpose	header, en	When the IBCF receives an INVITE request from the other network containing a To header, ensure that an INVITE request is sent to the own network and the To header is present as received from the other network.				
SIP Parameter values	INVITE:	INVITE: To: <[any URI]>; tag=[any value]				
Comments						
Message flows		Mx	SUT		lc	
	INVITE	+		←	INVITE	
	Apply post test routine					

TP number	IBCF_203_152	Reference		Annex A [3]
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	To header supported ir	า 180		
Test Purpose		180 Ringing response is		wn network containing a To her network and the To header
SIP Parameter values	180: To: <[any URI]>	; tag=[any value]		
Comments				
Message flows	Mx	SUT	Г	lc
	INVITE	+	÷	INVITE
	180 Ringing	→	→	180 Ringing
	Apply post test routine			

TP number	IBCF 203 153	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	To header supported i	n 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a To header, ensure that a 200 OK INVITE response is sent to the other network and the To header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: To: ·	<[any URI]>; tag=[any value]		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_154	Reference		Annex A [3]		
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	To header supported ir	n ACK				
Test Purpose	When the IBCF receives an ACK request from the other network containing a To header, ensure that an ACK request is sent to the own network and the To header is present as received from the other network.					
SIP Parameter values	ACK: To: <[any URI]>	; tag=[any value]				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	su ← → ←	T ← → ← test routine	Ic INVITE 180 Ringing 200 OK INVITE ACK		

TP number	IBCF_203_155	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	· · · · · ·				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	To header supported i	n BYE				
Test Purpose	ensure that a BYE req	When the IBCF receives a BYE request from the other network containing a To header, ensure that a BYE request is sent to the own network and the To header is present as received from the other network.				
SIP Parameter values	BYE: To: <[any URI]:	>; tag=[any value]				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	+	← BYE			
	Apply post test routine					

TP number	IBCF_203_156	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	To header supported	in 200 OK BYE				
Test Purpose	header, ensure that a	When the IBCF receives a 200 OK BYE response from the own network containing a To header, ensure that a 200 OK BYE response is sent to the other network and the To header is present as received from the own network.				
SIP Parameter values	200 OK BYE: To: <[ai	ny URI]>; tag=[any value]				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	BYE 🗲 🗧 🗲 BYE				
	200 OK BYE	200 OK BYE → 200 OK BYE				

TP number	IBCF_203_157	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bca					
Selection criteria	PICS 7.1.1/3 AND F	PICS 7.2.2/20				
Test Purpose name	Trigger-Consent he					
Test Purpose	Trigger-Consent he	When the IBCF receives an INVITE request from the other network containing a Trigger-Consent header, ensure that an INVITE request is sent to the own network and the Trigger-Consent header is present as received from the other network.				
SIP Parameter values	INVITE: Trigger-Consent:					
Comments						
Message flows	Mx	SUT	lc			
	INVITE	÷				
	Apply post test routine					

TP number	IBCF_203_158	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Unsupported header supported	rted	
Test Purpose	Unsupported header, ensur	e that a 420 Bad Extension	nse from the own network containing a on response is sent to the other eceived from the own network.
SIP Parameter values	420: Unsupported: etsi-int	:13	
Comments			
Message flows	Mx INVITE 420 Bad Extension ACK	SUT ← → ←	Ic ← INVITE → 420 Bad Extension ← ACK

TP number	IBCF_203_159	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bca	all				
Selection criteria	PICS 7.1.1/3					
Test Purpose name		r supported in INVITE				
Test Purpose	User-Agent header	When the IBCF receives an INVITE request from the other network containing a User-Agent header, ensure that an INVITE request is sent to the own network and the User-Agent header is present as received from the other network.				
SIP Parameter values		INVITE: User-Agent: ETSI soft client v1				
Comments	Ĭ					
Message flows	Mx SUT Ic					
	INVITE	+				
	Apply post test routine					

TP number	IBCF_203_160	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	User-Agent header su	pported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a User-Agent header, ensure that a 180 Ringing response is sent to the other network and the User-Agent header is present as received from the own network.				
SIP Parameter values	180: User-Agent: E	TSI soft client v1			
Comments					
Message flows	Mx	SUT	lc		
_	INVITE	+			
	180 Ringing	→	➔ 180 Ringing		
		Apply post tes	troutine		

TP number	IBCF_203_161	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall	<u>.</u>	· • • •	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	User-Agent header su	pported in 200 OK INVITE		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a User-Agent header, ensure that a 200 OK INVITE response is sent to the other network and the User-Agent header is present as received from the own network.			
SIP Parameter values	200 OK INVITE: Use	r-Agent: ETSI soft client v1		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine	

TP number	IBCF_203_162	Reference		Annex A [3]	
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	User-Agent header sur	oported in ACK			
Test Purpose	When the IBCF receives an ACK request from the other network containing a User-Agent header, ensure that an ACK request is sent to the own network and the User-Agent header is present as received from the other network				
SIP Parameter values	ACK: User-Agent: ET	SI soft client v1			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	St ← → → ← Apply post	JT ← → ← test routine	IC INVITE 180 Ringing 200 OK INVITE ACK	

TP number	IBCF_203_163	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	User-Agent header su	pported in BYE			
Test Purpose	header, ensure that a		her network containing a User-Agent vn network and the User-Agent header		
SIP Parameter values	BYE: User-Agent: E	TSI soft client v1			
Comments					
Message flows	Mx	SUT	lc		
_	A session is already established				
	BYE	←	← BYE		
	Apply post test routine				

TP number	IBCF_203_164	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	User-Agent header su	pported in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a User-Agent header, ensure that a 200 OK BYE response is sent to the other network and the User-Agent header is present as received from the own network				
SIP Parameter values	200 OK BYE: User-Ag	ent: ETSI soft client v1			
Comments					
Message flows	Mx	SUT	lc		
		A session is already established			
	BYE	÷	← BYE		
	200 OK BYE	→	→ 200 OK BYE		

TP number	IBCF_203_165	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/b				
Selection criteria	PICS 7.1.1/3 AN	D PICS 7.2.2/17			
Test Purpose name		ader supported in INVITE			
Test Purpose	User-to-User hea	When the IBCF receives an INVITE request from the other network containing a User-to-User header, ensure that an INVITE request is sent to the own network and the User-to-User header is present as received from the other network.			
SIP Parameter values	INVITE: User-	INVITE: User-to-User: 504554534920494E54;encoding=hex			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	+	← INVITE		
	Apply post test routine				

TP number	IBCF_203_166	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/17			
Test Purpose name	User-to-User header s	supported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a User-to-User header, ensure that a 180 Ringing response is sent to the other network and the User-to-User header is present as received from the own network.				
SIP Parameter values	180: User-to-User: 5	504554534920494E54;encod	ling=hex		
Comments					
Message flows	Mx SUT Ic				
	INVITE	÷			
	180 Ringing	→	➔ 180 Ringing		
		Apply post test	routine		

TP number	IBCF_203_167	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall		· · · · · ·		
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/17			
Test Purpose name	User-to-User header s	upported in 200 OK INVITE			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network containing a User-to-User header, ensure that a 200 OK INVITE response is sent to the other network and the User-to-User header is present as received from the own network.				
SIP Parameter values	200 OK INVITE: User	r-to-User: 504554534920494	E54;encoding=hex		
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine		

TP number	IBCF_203_168	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	·	· • • •		
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/17			
Test Purpose name	User-to-User header su	upported in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing a User-to-User header, ensure that a BYE request is sent to the own network and the User-to-User header is present as received from the other network.				
SIP Parameter values	BYE: User-to-User: 504554534920494E54;encoding=hex				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	÷	← BYE		
		Apply post test re	outine		

TP number	IBCF_203_169	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.2/17		
Test Purpose name	User-to-User header	supported in 200 OK BYE		
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a User-to-User header, ensure that a 200 OK BYE response is sent to the other network and the User-to-User header is present as received from the own network.			
SIP Parameter values	200 OK BYE: User-to-User: 504554534920494E54;encoding=hex			
Comments				
Message flows	Mx	SUT	lc	
_	A session is already established			
	BYE	+	← BYE	
	200 OK BYE	→	→ 200 OK BYE	

6.2.3.2.1 Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR)

TP number	IBCF 204 001	Reference	4.4.2, 5.10.6 [1]		
TT Humber	IBCI _204_001	Kelefence	5, RFC 3325 [16]		
			5, KFC 5525 [10]		
TSS reference	Entry_Point/scr/ss/oip-				
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.2	2.3/1		
Test Purpose name	The IBCF leaves the P	-Asserted-Identity header field	Id from the request for incoming		
-	requests Privacy is set	to id			
Test Purpose	When an IBCF receive	s an initial SIP INVITE reque	st from the other network		
-	P-Asserted-Identity hea	ader and Privacy header valu	e 'id' present, it leaves the		
		P-Asserted-Identity header fields in the SIP requests if the other network is trusted.			
SIP Parameter values	INVITE 1: P-Asserted-				
	Privacy: id				
	INVITE 2: P-Asserted-	Identity <uri></uri>			
	Privacy: id				
Comments					
Message flows	Mx	SUT	lc		
_	INVITE 2	+	INVITE 1		
		Apply post test re	outine		

TP number	IBCF_204_002	Reference	4.4.2, 5.10.6 [1],	
			5, RFC3325 [16]	
TSS reference	Entry_Point/scr/ss/oip-	oir		
Selection criteria	PICS 7.1.1/3 AND NO	FPICS 7.2.1/2 AND PICS 7.2	2.3/1	
Test Purpose name		The IBCF leaves the P-Asserted-Identity header field from the request for incoming requests no Privacy requested		
Test Purpose	P-Asserted-Identity hea	s an initial SIP INVITE reques ader present and no Privacy I ader fields in the SIP requests		
SIP Parameter values	INVITE 1: P-Asserted- INVITE 2: P-Asserted-			
Comments		•		
Message flows	Mx INVITE 2	SUT ← Apply post test re	IC ← INVITE 1 putine	

TP number	IBCF_204_003	Reference	4.4.2, 5.10.6 [1],	
			5, RFC 3325 [16]	
TSS reference	Entry_Point/scr/ss/oip	-oir		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.1/2 AND PICS 7.2.3/1		
Test Purpose name	The IBCF replaces or removes the P-Asserted-Identity header field from the request for incoming requests			
Test Purpose	When an IBCF receives an initial SIP INVITE request from the other network it replaces the header field with a single SIP or SIPS or tel URI or remove the received P-Asserted-Identity header field from the requests if the other network is untrusted.			
SIP Parameter values	INVITE 1: P-Asserted-Identity <uri> INVITE 2: P-Asserted-Identity <single or="" sip,="" sips="" tel="" uri=""> or no P-Asserted-Identity present</single></uri>			
Comments				
Message flows	Mx	SUT	lc	
-	INVITE 2	+	← INVITE 1	
		Apply post test	routine	

6.2.3.2.2 Terminating Identification Presentation (TIP) and Terminating Presentation Restriction (TIR)

TP number	IBCF_205_001	Referen	ce	4.4.2, 5.10.6 [1],
				5, RFC 3325 [16],
				7.2.2 [17]
TSS reference	Entry_Point/scr/ss/tip-	tir		
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AI	ND PICS 7.2.3/2	
Test Purpose name	The IBCF leaves the F	P-Asserted-Identit	header field set to	the public user identity from the
	180 response Privacy	is set to id		
Test Purpose	When an IBCF receive	es a 180 Ringing p	provisional response	from within its own network
	P-Asserted-Identity he	ader and Privacy	header value 'id' pre	esent upon received an initial
	INVITE request, it leave	es the P-Asserte	d-Identity header fiel	ds in the SIP responses if the
	other network is truste			·
SIP Parameter values	180 1: P-Asserted-Ide	ntity <uri></uri>		
	Privacy: id	-		
	180 2: P-Asserted-Ide	ntity <uri></uri>		
	Privacy: id	-		
Comments				
Message flows	Mx		SUT	lc
	INVITE	+	+	INVITE
	180 Ringing 1	→	→	180 Ringing 2
	- •	Apply	post test routine	

TP number	IBCF 205 002	Reference	4.4.2, 5.10.6 [1],
	1201 _200_002		5, RFC 3325 [16],
			7.2.2 [17]
TSS reference	Entry_Point/scr/ss/tip-ti	r	[··==[··]
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.2	2.3/2
Test Purpose name	The IBCF leaves the P	Asserted-Identity header fiel	d set to the public user identity from the
-	180 response no Privad	cy requested	
Test Purpose	When an IBCF receives	s a 180 Ringing provisional re	esponse from within its own network
-			requested upon received an initial
	INVITE request, it leave	es the P-Asserted-Identity he	ader fields in the SIP responses if the
	other network is trusted	I.	
SIP Parameter values	180 1: P-Asserted-Iden	itity <uri></uri>	
	180 2: P-Asserted-Iden	itity <uri></uri>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
	180 Ringing 1	→	→ 180 Ringing 2
		Apply post test ro	outine

TP number	IBCF_205_003	Reference	4.4.2, 5.10.6 [1], 5, RFC 3325 [16],
			7.2.2 [17]
TSS reference	Entry_Point/scr/ss/tip-t	ir	
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.2	2.3/2
Test Purpose name	The IBCF leaves the F 200 response Privacy	-	ld set to the public user identity from the
Test Purpose	P-Asserted-Identity he	ader and Privacy header values the P-Asserted-Identity he	oonse from within its own network ue 'id' present upon received an initial eader fields in the SIP responses if the
SIP Parameter values	200 1: P-Asserted-Ider Privacy: id 200 2: P-Asserted-Ider Privacy: id		
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT + + + + + Apply post test t	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 ← ACK
		Apply post test r	outine

TP number	IBCF 205 004	Reference	4.4.2, 5.10.6 [1],
	1001 _203_004	Reference	
			5, RFC 3325 [16],
			7.2.2 [17]
TSS reference	Entry_Point/scr/ss/tip-ti	r	
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.2	2.3/2
Test Purpose name	The IBCF leaves the P-	Asserted-Identity header field	ld set to the public user identity from the
	200 response no Privad	cy requested	
Test Purpose	When an IBCF receives	a 200 OK INVITE final resp	oonse from within its own network
-	P-Asserted-Identity hea	der present and no Privacy	requested upon received an initial
			eader fields in the SIP responses if the
	other network is trusted		·
SIP Parameter values	200 1: P-Asserted-Iden	tity <uri></uri>	
		, , , , , , , , , , , , , , , , , , ,	
	200 2: P-Asserted-Iden		
Comments			
Message flows	Mx	SUT	lc
	INVITE	÷	← INVITE
	180 Ringing 1	→	→ 180 Ringing 2
	200 OK INVITE 1	→	→ 200 OK INVITE 2
	ACK	+	← ACK
		-	
1		Apply post test re	outine

TP number	IBCF_205_005	Reference		4.4.2, 5.10.6 [1], 5, RFC 3325 [16]
TSS reference	Entry_Point/scr/ss/tip-tip	r		
Selection criteria	PICS 7.1.1/3 AND PICS	5 7.2.1/2 AND NOT PI	CS 7.2.1/3 AN	D PICS 7.2.3/2
Test Purpose name	The IBCF removes the the 180 response Priva		ader field set i	to the public user identity from
Test Purpose	P-Asserted-Identity hea	der and Privacy heade	er value ['] id' upo	from within its own network on received an initial INVITE the SIP responses if the other
SIP Parameter values	180 1: P-Asserted-Iden Privacy: id 180 2:	tity <uri></uri>		
Comments				
Message flows	Mx	SU ⁻	Г	lc
	INVITE	←	+	INVITE
	180 Ringing 1	→	→	180 Ringing 2
		Apply post	test routine	

TP number	IBCF_205_006	Reference	4.4.2, 5.10.6 [1],
			5, RFC 3325 [16]
TSS reference	Entry_Point/scr/ss/tip-til	r	
Selection criteria	PICS 7.1.1/3 AND PICS	6 7.2.1/2 AND NOT PICS 7.2	2.1/3 AND PICS 7.2.3/2
Test Purpose name	The IBCF leaves the P-	Asserted-Identity header field	ld set to the public user identity from the
	180 response Privacy is	s not present	
Test Purpose			esponse from within its own network
			l is not present upon received an initial
	INVITE request, it leave	es the P-Asserted-Identity he	eader fields in the SIP responses if the
	other network is untrust	ed.	
SIP Parameter values	180 1: P-Asserted-Iden	tity <uri></uri>	
	180 2: P-Asserted-Iden	tity <uri></uri>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
	180 Ringing 1	→	➔ 180 Ringing 2
		Apply post test re	outine

TD much an		Defense	
TP number	IBCF_205_007	Reference	4.4.2, 5.10.6 [1],
			5, RFC 3325 [16]
TSS reference	Entry_Point/scr/ss/tip-t	ir	
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND NOT PICS	7.2.1/3 AND PICS 7.2.3/2
Test Purpose name	The IBCF removes the the 200 OK response I		r field set to the public user identity from
To al Dumo a co			
Test Purpose			sponse from within its own network
			header value 'id' upon received an initial
	INVITE request, it remo	oves the P-Asserted-Identit	ty header fields in the SIP responses if
	the other network is un	trusted.	
SIP Parameter values	200 1: P-Asserted-Ider	ntity <uri></uri>	
	Privacy: id		
	T Tivacy. Id		
	000 0		
-	200 2:		
Comments			
Message flows	Mx	SUT	lc
-	INVITE	+	← INVITE
	180 Ringing	→	→ 180 Ringing
	200 OK INVITE 1	→	→ 200 OK INVITE 2
	ACK	+	← ACK
		Apply post test	routine

TP number	IBCF_205_008	Reference	4.4.2, 5.10.6 [1], 5, RFC 3325 [16], 7.2.2 [17]	
TSS reference	Entry_Point/scr/ss/tip-t	ir		
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND NOT PICS 7	.2.1/3 AND PICS 7.2.3/2	
Test Purpose name		removes the P-Asserted-Ide K response Privacy is not p	entity header field set to the public user present	
Test Purpose	When an IBCF receives a 200 OK INVITE final response from within its own network P-Asserted-Identity header is present and Privacy header is not present upon received an initial INVITE request, it leaves the P-Asserted-Identity header fields in the SIP responses if the other network is untrusted.			
SIP Parameter values	200 1: P-Asserted-Ider 200 2: P-Asserted-Ider	,		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT ← → ← Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 ← ACK	
		·		

TP number	IBCF 205 009	Reference	7.2.2 [17]			
TSS reference	Entry_Point/scr/ss/tip-t		··[···]			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.1/3	3 AND PICS 7.2.3/2			
Test Purpose name	The IBCF removes the	P-Asserted-Identity header	field set to the public user identity from			
	the 180 response Priva	acy is set to id				
Test Purpose	When an IBCF receive	es a 180 Ringing provisional	response from within its own network			
			lue 'id' present upon received an initial			
			/ header fields in the SIP responses if			
	the other external IP n	etwork is untrusted.				
SIP Parameter values	180 1: P-Asserted-Ide	ntity <uri></uri>				
	Privacy: id	Privacy: id				
	180 2:					
Comments						
Message flows	Mx SUT Ic					
	INVITE	←	← INVITE			
	180 Ringing 1	→	➔ 180 Ringing 2			
	Apply post test routine					

TP number	IBCF_205_010	Reference	7.2.2 [17]			
TSS reference	Entry_Point/scr/ss/tip-	tir				
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.1/	3 AND PICS 7.2.3/2			
Test Purpose name	The IBCF removes the	The IBCF removes the P-Asserted-Identity header field set to the public user identity from				
	the 200 response Priv	, ,				
Test Purpose			sponse from within its own network			
	P-Asserted-Identity he	ader and Privacy header va	alue 'id' present upon received an initial			
	INVITE request, it rem	oves the P-Asserted-Identi	ty header fields in the SIP responses if			
	the other external IP n	etwork is untrusted.				
SIP Parameter values	200 1: P-Asserted-Ide	ntity <uri></uri>				
	Privacy: id	-				
	200 2:	200 2:				
Comments						
Message flows	Mx	SUT	lc			
_	INVITE	÷				
	180 Ringing 1 → 180 Ringing 2					
	200 OK INVITE 1 → 200 OK INVITE 2					
	ACK	+	← ACK			
		Apply post test routine				

TP number	IBCF_205_011	Reference	7.2.2 [17]			
TSS reference	Entry_Point/scr/ss/tip-	tir				
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.1/3	3 AND PICS 7.2.3/2			
Test Purpose name	The IBCF removes the	e P-Asserted-Identity heade	r field set to the public user identity from			
	the 180 response Priv	acy header not present				
Test Purpose			response from within its own network			
			header is not present upon received an			
			dentity header fields in the SIP			
	responses if the other	external IP network is untru	sted.			
SIP Parameter values	180 1: P-Asserted-Ide	180 1: P-Asserted-Identity <uri></uri>				
	180 2:					
Comments						
Message flows	Mx SUT Ic					
	INVITE					
	180 Ringing	→	→ 180 Ringing			
	Apply post test routine					

TP number	IBCF_205_012	Reference	7.2.2 [17]		
TSS reference	Entry_Point/scr/ss/tip-	tir			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.1/3	AND PICS 7.2.3/2		
Test Purpose name	The IBCF removes the	e P-Asserted-Identity header	field set to the public user identity from		
	the 200 OK response	Privacy header not present			
Test Purpose			ponse from within its own network		
			neader is not present upon received an		
			lentity header fields in the SIP		
	responses if the other	external IP network is untrus	ted.		
SIP Parameter values	200 1: P-Asserted-Ide	ntity <uri></uri>			
	200 2:				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	←	← INVITE		
	180 Ringing → → 180 Ringing				
	200 OK INVITE 1	→	→ 200 OK INVITE 2		
	ACK	←	← ACK		
	Apply post test routine				

TP number	IBCF_205_013	Reference	12 [2]
TSS reference	Entry_Point/scr/ss/tip	o-tir	
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/2	
Test Purpose name	INVITE 'from-change	tag in Supported header su	upported
Test Purpose	When the IBCF receives an INVITE request from the other network and the 'from-change' tag is contained in the Supported header, an INVITE request is sent to the own network and the 'from-change' tag is present in the supported header.		
SIP Parameter values	INVITE 1: Supported	5	
Comments		¥	
Message flows	Mx	SUT	lc
	INVITE 2	← Apply post tes	INVITE 1 t routine

TP number	IBCF_205_014	Reference	12 [2]	
TSS reference	Entry_Point/scr/ss/tip-tir			
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/2		
Test Purpose name	200 OK 'from-change'	tag in Supported header sup	ported	
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network and the 'from-change' tag is contained in the Supported header, a 200 OK INVITE is sent to the other network and the 'from-change' tag present in the supported header.			
SIP Parameter values	200 OK 1: Supported: from-change 200 OK 2: Supported: from-change			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT ← → ← Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 ← ACK	

6.2.3.2.3 Communication Diversion service

TP number	IBCF_206_001	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7	7.2.1/2 AND PICS 7.2	2.3/3
Test Purpose name	History-Info header in 181 is su	pported to trusted ne	etwork
Test Purpose	History-Info header and no Priv	acy header from with	ded provisional response containing a hin its own network upon received an der fields in the 181 SIP responses if
SIP Parameter values	181 1: History-Info		
Comments	181 2: History-Info		
Message flows	Mx	SUT	lc
	INVITE	÷	
	181 Call Is Being Forwarded 1	→	➔ 181 Call Is Being Forwarded 2
	Apply post test routine		

TP number	IBCF_206_002	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv	,	
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.	2.3/3
Test Purpose name	History-Info header in	180 is supported to trusted n	etwork
Test Purpose	header and no Privacy	header from within its own r	response containing a History-Info network upon received an initial INVITE ne 180 SIP responses if the other
SIP Parameter values	180 1: History-Info		
Comments	180 2: History-Info		
Message flows	Mx	SUT	lc
	INVITE	÷	← INVITE
	180 Ringing 1	→	→ 180 Ringing 2
	Apply post test routine		

TP number	IBCF_206_003	Reference	4.4.2, 5.10.6 [1],		
			5 [15]		
TSS reference	Entry_Point/scr/ss/cdiv				
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.	2.3/3		
Test Purpose name	History-Info header in 2	200 OK is supported to truste	ed network		
Test Purpose	When an IBCF receives	s a 200 OK INVITE final resp	conse containing a History-Info header		
			upon received an initial INVITE request,		
	it leaves the History-Inf	o header fields in the 200 O	K INVITE final responses if the other		
	network is trusted.				
SIP Parameter values	200 1: History-Info				
Comments	200 2: History-Info				
Message flows	Mx	SUT	lc		
_	INVITE	+	← INVITE		
	→ 180 Ringing				
	180 Ringing 200 OK INVITE 1	→	→ 200 OK INVITE 1		
	ACK	+	← ACK		
		Apply post test r	outine		

TP number	IBCF_206_004	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND NOT PICS	7.2.1/2 AND PIC	S 7.2.3/3
Test Purpose name	History-Info header and Priva	cy header in 181	is supported to trusted network
Test Purpose	When an IBCF receives a 181 Call Is Being Forwarded provisional response containing a History-Info header and a Privacy header value history from within its own network upon received an initial INVITE request, it leaves the History-Info header fields in the 181 SIP responses if the other network is trusted.		
SIP Parameter values	181 1: History-Info Privacy: history		
Comments	181 2: History-Info Privacy: history		
Message flows	Mx	SUT	lc
-	INVITE	÷	← INVITE
	181 Call Is Being Forwarded	1 →	➔ 181 Call Is Being Forwarded 2
	Ģ	Apply post t	5

TP number	IBCF_206_005	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND NOT PI	CS 7.2.1/2 AND PICS 7	.2.3/3
Test Purpose name	History-Info header and Pr	ivacy header in 180 is s	upported to trusted network
Test Purpose	When an IBCF receives a 180 Ringing provisional response containing a History-Info header and a Privacy header value history from within its own network upon received an initial INVITE request, it leaves the History-Info header fields in the 180 SIP responses if the other network is trusted.		
SIP Parameter values	180 1: History-Info Privacy: history		
Comments	180 2: History-Info Privacy: history		
Message flows	Mx	SUT	lc
-	INVITE	÷	
	180 Ringing 1	→	→ 180 Ringing 2
		Apply post test	routine

TP number	IBCF_206_006	Reference	4.4.2, 5.10.6 [1],	
			5 [15]	
TSS reference	Entry_Point/scr/ss/cdiv			
Selection criteria	PICS 7.1.1/3 AND NOT I	PICS 7.2.1/2 AND PICS 7	.2.3/3	
Test Purpose name	History-Info header and I	Privacy header in 200 OK	is supported to trusted network	
Test Purpose	When an IBCF receives	a 200 OK INVITE final pro	visional response containing a	
			story from within its own network upon	
	received an initial INVITE request, it leaves the History-Info header fields in the 200 OK			
	INVITE final responses if the other network is trusted.			
SIP Parameter values	200 1: History-Info			
	Privacy: history			
Comments	200 2: History-Info			
	Privacy: history			
Message flows	Mx	SUT	lc	
	INVITE	÷	← INVITE	
	180 Ringing	→	➔ 180 Ringing	
	200 OK INVITE 1	→	→ 200 OK INVITE 1	
	ACK	+	← ACK	
		Apply post test	routine	

TP number	IBCF_206_007 Reference 4.4.2, 5.10.6 [1],				
			5 [15]		
TSS reference	Entry_Point/scr/ss/cdiv				
Selection criteria	PICS 7.1.1/3 AND NOT PICS	7.2.1/2 AND PICS 7	.2.3/3		
Test Purpose name	History-Info header and escape	ed Privacy header ir	181 is supported to trusted network		
Test Purpose			rded provisional response containing a		
			story from within its own network upon		
	received an initial INVITE requ	received an initial INVITE request, it leaves the History-Info header fields in the 181 SIP			
		responses if the other network is trusted.			
SIP Parameter values	181 1: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1				
	<hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri>				
Comments		181 2: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1			
	<hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri>				
Message flows	Mx SUT Ic				
	INVITE	+	← INVITE		
	181 Call Is Being Forwarded 1	→	➔ 181 Call Is Being Forwarded 2		
	Apply post test routine				

TP number	IBCF_206_008	Reference	4.4.2, 5.10.6 [1],		
			5 [15]		
TSS reference	Entry_Point/scr/ss/cdiv	/			
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.2	2.3/3		
Test Purpose name	History-Info header an	d escaped Privacy header in	180 is supported to trusted network		
Test Purpose	When an IBCF receive	es a 180 Ringing provisional re	esponse containing a History-Info		
	header and a Privacy I	header value history from with	nin its own network upon received an		
	initial INVITE request,	initial INVITE request, it leaves the History-Info header fields in the 180 SIP responses if			
SIP Parameter values	180 1: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1				
	< <i>hi-targeted-to-uri 2</i> >; index=1.1				
Comments	180 2: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1				
	<hi>hi-targeted-to-uri 2>; index=1.1</hi>				
Message flows	Mx SUT Ic				
	INVITE	+	← INVITE		
	180 Ringing 1	→	→ 180 Ringing 2		
	2 0	Apply post test re			

TP number	IBCF_206_009	Reference	4.4.2, 5.10.6 [1],	
			5 [15]	
TSS reference	Entry_Point/scr/ss/cdiv	,		
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.	2.3/3	
Test Purpose name	History-Info header and	d escaped Privacy header in	200 OK is supported to trusted network	
Test Purpose	When an IBCF receives a 200 OK INVITE final provisional response containing			
			tory from within its own network upon	
		received an initial INVITE request, it leaves the History-Info header fields in the 200 OK		
		INVITE final responses if the other network is trusted.		
SIP Parameter values	200 1: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1			
		<i>i-targeted-to-uri</i> 2>; index=1.		
Comments	200 2: History-Info: < <i>hi-targeted-to-uri 1</i> ?Privacy=history>; index=1			
	<h< th=""><th><i>i-targeted-to-uri</i> 2>; index=1.</th><th>1</th></h<>	<i>i-targeted-to-uri</i> 2>; index=1.	1	
Message flows	Mx	SUT	lc	
	INVITE	+		
	180 Ringing	→	➔ 180 Ringing	
	200 OK INVITE 1	→	→ 200 OK INVITE 1	
	ACK	÷	← ACK	
	Apply post test routine			

TP number	IBCF_206_010	Reference	4.4.2, 5.10.6 [1], 5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	2 AND PICS 7.2.3/3	
Test Purpose name	History-Info header in 181 is s	upported or removed	to untrusted network
Test Purpose	When an IBCF receives a 181 Call Is Being Forwarded provisional response containing a History-Info header and no Privacy header from within its own network upon received an initial INVITE request, it leaves the History-Info header fields in the 181 SIP responses or removes it from the response if the other network is untrusted.		
SIP Parameter values	181 1: History-Info		
Comments	181 2: History-Info or History-Info header i	s not present	
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
	181 Call Is Being Forwarded 1	→	➔ 181 Call Is Being Forwarded 2
	-	Apply post test	routine

TP number	IBCF_206_011	Reference	4.4.2, 5.10.6 [1],	
			5 [15]	
TSS reference	Entry_Point/scr/ss/cdiv	V		
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.3/3		
Test Purpose name	History-Info header in	180 is supported or removed	to untrusted network	
Test Purpose	When an IBCF receive	es a 180 Ringing provisional	response containing a History-Info	
	header and no Privacy	header and no Privacy header from within its own network upon received an initial INVITE		
	request, it leaves the History-Info header fields in the 180 SIP responses or removes it			
	from the response if th	ne other network is untrusted		
SIP Parameter values	180 1: History-Info			
Comments	180 2: History-Info			
	or History-Info	header is not present		
Message flows	Mx	SUT	lc	
	INVITE	÷		
	180 Ringing 1	→	→ 180 Ringing 2	
	2 0	Apply post test	routine	

TP number	IBCF_206_012	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2	.1/2 AND PICS 7.2.3/3	
Test Purpose name	History-Info header in 200 C	K is supported or removed	to untrusted network
Test Purpose	When an IBCF receives a 2		
			s own network upon received an
	initial INVITE request, it leaves the History-Info header fields in the 200 OK INVITE final		
	responses or removes it from	n the response if the other r	network is untrusted.
SIP Parameter values	200 1: History-Info		
Comments	200 2: History-Info		
	or History-Info heade	r is not present	
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
	180 Ringing	→	➔ 180 Ringing
	200 OK INVITE 1	→	→ 200 OK INVITE 1
	ACK	+	← ACK
		Apply post test routin	ne

TP number	IBCF_206_013	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	2 AND PICS 7.2.3/	/3
Test Purpose name	History-Info header in 181 is n	ot supported to unt	rusted network
Test Purpose			arded provisional response containing a
	History-Info header and a Priv	acy header value h	istory from within its own network upon
	received an initial INVITE request, it removes the History-Info header fields in the 181 SIP		
	responses if the other network	is untrusted.	-
SIP Parameter values	181 1: History-Info		
	Privacy: history		
Comments	181 2:		
Message flows	Mx	SUT	lc
-	INVITE	÷	← INVITE
	181 Call Is Being Forwarded 1	→	181 Call Is Being Forwarded 2
		Apply post tes	

TP number	IBCF_206_014	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.1/2 AND PICS 7.2.3/3	
Test Purpose name	History-Info header in 1	80 is not supported to untru	usted network
Test Purpose			response containing a History-Info
	header and a Privacy h	eader value history from wi	thin its own network upon received an
	initial INVITE request, in	t removes the History-Info h	neader fields in the 180 SIP responses if
	the other network is unt	trusted.	
SIP Parameter values	180 1: History-Info		
	Privacy: history		
Comments	180 2:		
Message flows	Mx	SUT	lc
	INVITE	←	
	180 Ringing 1	→	→ 180 Ringing 2
		Apply post test	routine

TP number	IBCF_206_015	Reference	4.4.2, 5.10.6 [1]
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1	/2 AND PICS 7.2.3/3	
Test Purpose name		K is not supported to untrusted r	
Test Purpose		OK INVITE final provisional re	
		vacy header value history from vuluest, it removes the History-Info	
	INVITE final responses if the	other network is untrusted.	
SIP Parameter values	200 1: History-Info		
	Privacy: history		
Comments	200 2:		
Message flows	Mx	SUT	lc
-	INVITE	⊢ ←	INVITE
	180 Ringing	→	180 Ringing
	200 OK INVITE 1	→	200 OK INVITE 1
	ACK	÷ +	ACK
		Apply post test routine	

TP number	IBCF_206_016	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		
Selection criteria	PICS 7.1.1/3 AND NOT PICS	6 7.2.1/2 AND PIC	S 7.2.3/3
Test Purpose name	History-Info header and escaped Privacy header in 181 is supported or removed to untrusted network		
Test Purpose	When an IBCF receives a 181 Call Is Being Forwarded provisional response containing a History-Info header and a Privacy header value history from within its own network upon received an initial INVITE request, it removes this specific hi-entry from the History-Info header fields in the 181 SIP response or removes all hi-entries from the SIP response if the other network is untrusted.		
SIP Parameter values	181 1: History-Info: < <i>hi-targeted-to-uri 1</i> ?Privacy=history>; index=1 < <i>hi-targeted-to-uri 2</i> >; index=1.1		
Comments	181 2: History-Info: <hi-targe or History-Info header</hi-targe 		x=1.1
Message flows	Mx	SUT	lc
-	INVITE	+	← INVITE
	181 Call Is Being Forwarded	1 →	→ 181 Call Is Being Forwarded 2
	Apply post test routine		

TP number	IBCF_206_017	Reference	4.4.2, 5.10.6 [1],
			5 [15]
TSS reference	Entry_Point/scr/ss/cdiv	,	
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS 7.2	2.3/3
Test Purpose name	History-Info header and escaped Privacy header in 180 is supported or removed to untrusted network		
Test Purpose	header and a Privacy h initial INVITE request,	header value history from with it removes this specific hi-ent	esponse containing a History-Info nin its own network upon received an rry from the History-Info header fields in the SIP response if the other network
SIP Parameter values	5	<i>i-targeted-to-uri 1</i> ?Privacy=h <i>i-targeted-to-uri 2</i> >; index=1.	
Comments	180 2: History-Info: <h< td=""><td><i>i-targeted-to-uri 2></i>; index=1. neader is not present</td><td></td></h<>	<i>i-targeted-to-uri 2></i> ; index=1. neader is not present	
Message flows	Mx	SUT	lc
-	INVITE	+	
	180 Ringing 1	→	→ 180 Ringing 2
	5 5	Apply post test r	

TP number	IBCF_206_018	Reference	4.4.2, 5.10.6 [1], 5 [15]
TSS reference	Entry_Point/scr/ss/cdiv		[3 [13]
Selection criteria		PICS 7.2.1/2 AND PICS	7.2.3/3
Test Purpose name	History-Info header and escaped Privacy header in 200 OK is supported or removed to untrusted network		
Test Purpose	and a Privacy header va INVITE request, it remo	alue history from within its oves this specific hi-entry fi	sponse containing a History-Info header own network upon received an initial rom the History-Info header fields in the entries from the SIP response if the other
SIP Parameter values	200 1: History-Info: < <i>hi-targeted-to-uri</i> 1?Privacy=history>; index=1 < <i>hi-targeted-to-uri</i> 2>; index=1.1		
Comments		- <i>targeted-to-uri 2</i> >; index= eader is not present	1.1
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT ← → → ←	Ic ← INVITE → 180 Ringing → 200 OK INVITE 1 ← ACK
		Apply post test	routine

6.2.3.2.4 Other Simulation services

TP number	IBCF 207 001	Reference	12 [2]	
TSS reference	Entry Point/scr/ss/oth	ner		
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/17 AND PICS 7.2.3	3/4	
Test Purpose name	INFO request contain	INFO request containing the "application/vnd.etsi.mcid+xml" request MIME body supported		
Test Purpose	'application/vnd.etsi.n is sent to the other ne	When the IBCF receives an INFO request from the own network the Content-Type is set to 'application/vnd.etsi.mcid+xml' and a MCID XML request body is present, an INFO request is sent to the other network. The Content-type is set to 'application/vnd.etsi.mcid+xml' and the received MCID XML body is present.		
SIP Parameter values	xml vers<br mcid reques Mci		nl	
Comments		×		
Message flows	Mx	SUT	lc	
	INVITE INFO 200 OK INFO	← → ← Apply post test	 ← INVITE → INFO ← 200 OK INFO 	

Entry_Point/scr/ss/oth		· • •	
	Entry Point/scr/ss/other		
PICS 7.1.1/3 AND PICS 7.2.3/17 AND PICS 7.2.3/4			
INFO request containing the "application/vnd.etsi.mcid+xml" response MIME body supported			
When the IBCF receives an INFO request from the other network the Content-Type is set to 'application/vnd.etsi.mcid+xml' and a MCID XML response body is present, an INFO request is sent to the own network. The Content-type is set to 'application/vnd.etsi.mcid+xml' and the received MCID XML body is present.			
XML mcid respons Mcid Hold	se dResponseIndicator>1< dingProvidedIndicator>1<	l+xml	
Mx INVITE INFO 200 OK INFO 1 INFO 2 200 OK INFO	SUT + + + + Apply post test	Ic ← INVITE → INFO ← 200 OK INFO 1 ← INFO 2 → 200 OK INFO routine	
	INFO request contain supported When the IBCF receiv to 'application/vnd.ets request is sent to the 'application/vnd.etsi.m INFO 2: Content-Ty XML mcid respons Mcio Holo Orig Mx INVITE INFO 200 OK INFO 1 INFO 2	INFO request containing the "application/vnd.etsi.r supported When the IBCF receives an INFO request from the to 'application/vnd.etsi.mcid+xml' and a MCID XMI request is sent to the own network. The Content-ty 'application/vnd.etsi.mcid+xml' and the received M INFO 2: Content-Type: application/vnd.etsi.mcid XML mcid response McidResponseIndicator>1< HoldingProvidedIndicator>1< OrigPartyIdentity>[any URI] Mx SUT INVITE € INFO → 200 OK INFO 1 € INFO 2 €	

TP number	IBCF_207_003	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/other		· · · · · · · · · · · · · · · · · · ·			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	3/5				
Test Purpose name	Privacy value 'id' and 433 An	onymity Disallowed res	ponse supported			
Test Purpose	other network, an INVITE rec P-Asserted-Identity header a	When an IBCF receives a P-Asserted-Identity and the Privacy header is set to 'id' from the other network, an INVITE request is sent to the own network containing the P-Asserted-Identity header and the Privacy header. The received 433 Anonymity Disallowed final response from the other network is sent into the own network.				
SIP Parameter values	INVITE: P-Asserted-Identit Privacy: id	INVITE: P-Asserted-Identity				
Comments						
Message flows	Mx	SUT	lc			
-	INVITE	÷				
	433 Anonymity Disallowed	→	→ 433 Anonymity Disallowed			
	ACK	÷	← ACK			

TP number	IBCF_207_004	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/oth	er			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.3/6			
Test Purpose name	Alert-Info header supp	orted			
Test Purpose	When the IBCF receives a 180 Ringing from the own network containing an Alert-Info header set to 'urn:alert:service:call-waiting' a 180 Ringing response is sent to the other network and the received Alert-Info header is present.				
SIP Parameter values	180: Alert-Info: <urn< th=""><th>:alert:service:call-waiting></th><th></th></urn<>	:alert:service:call-waiting>			
Comments					
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing t routine		

TP number	IBCF_207_005	Reference		12 [2]			
TSS reference	Entry_Point/scr/ss/other						
Selection criteria	PICS 7.1.1/3 AND PICS 7	.2.1/1 AND PICS 7.2.3/	6				
Test Purpose name	INVITE containing a CW >	KML body supported					
Test Purpose	When the IBCF receives a body is attached, an INVIT CW XML MIME body.	When the IBCF receives an INVITE request from the other network and a CW XML MIME body is attached, an INVITE request is sent to the own network containing the received CW XML MIME body.					
SIP Parameter values	xml version=<br ims-cw	INVITE: Content-Type: application/vnd.3gpp.cw+xml xml version="1.0"</th					
Comments							
Message flows	Mx	SUT		lc			
	INVITE						
	Apply post test routine						

	INVITE 480 Temporarily Unavailable ACK	← → ←	 ← INVITE → 480 Temporarily Unavailable ← ACK 		
Message flows	Mx	SUT	lc		
Comments					
SIP Parameter values	480: Reason: Q.850: cause=	=19			
	Unavailable is sent to the othe	r network containing	the received Reason header.		
	network and a Reason header	network and a Reason header cause value set to #19 is present, a 480 Temporarily			
Test Purpose			able final response from the own		
Test Purpose name	480 containing Reason cause	19 supported			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	19 AND PICS 7.2.3/6	6		
TSS reference	Entry_Point/scr/ss/other				
TP number	IBCF_207_006	Reference	12/[2]		

TP number	IBCF_207_007	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/oth	er			
Selection criteria	PICS 7.1.1/3 AND PIC				
Test Purpose name	INVITE request to sus	pend and retrieve a sessi	on is supported		
Test Purpose	When the IBCF receiv is established and the attribute of the m line	ves an INVITE request from version parameter in the is set to 'sendonly', an IN	m the other network while an active session o line of the SDP is incremented and the a /ITE request is sent to the own network:		
		arameter of the o line is ir e of the m line is set to 'se			
			work the version parameter of the o line is set to 'recvonly' is sent to the other network:		
		arameter of the o line is ir e of the m line is set to 're			
	session is established	and the version parameter	m the other network while an suspended er in the o line of the SDP is incremented ecv', an INVITE request is sent to the own		
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv' 				
	The 200 OK INVITE received from the own network the version parameter of the o line is incremented and the a attribute of the m line is set to 'sendrecv' is sent to the other network:				
		arameter of the o line is ir e of the m line is set to 'se			
SIP Parameter values	INVITE 1: SDP o line: v a=sende	rersion number increment	ed		
	INVITE 2:				
	SDP o line: v a=sendi	rersion number increment	ed		
Comments					
Message flows	Mx	SUT	lc		
		An active session is a	-		
	INVITE 1	+	← INVITE 1		
	200 OK INVITE	→	→ 200 OK INVITE		
	ACK	+	← ACK		
	INVITE 2	÷	← INVITE 2		
	200 OK INVITE	→	→ 200 OK INVITE		
	ACK	←	← ACK		
		Apply post te	stroutine		

TP number	IBCF_207_008	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/other	Reference	12 [2]		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/7				
Test Purpose name	UPDATE request to suspend and retrieve a session is supported				
Test Purpose	When the IBCE receives on I	IDDATE request from the oth	ported		
Test Furpose	When the IBCF receives an UPDATE request from the other network while an active session is established and the version parameter in the o line of the SDP is incrementer and the a attribute of the m line is set to 'sendonly', an UPDATE request is sent to the network:				
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendonly' 				
			version parameter of the o line is only' is sent to the other network:		
		er of the o line is incremented m line is set to 'recvonly'	1		
	When the IBCF receives an UPDATE request from the other network while an suspended session is established and the version parameter in the o line of the SDP is incremented and the a attribute of the m line is set to 'sendrecv', an UPDATE request is sent to the own network:				
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv' The 200 OK UPDATE received from the own network the version parameter of the o lincremented and the a attribute of the m line is set to 'sendrecv' is sent to the other network: 				
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv'. 				
SIP Parameter values	UPDATE 1: SDP o line: version a=sendonly	number incremented			
	UPDATE 2: SDP o line: version a=sendrecv	number incremented			
Comments					
Message flows	Mx	SUT	lc		
	An a	ctive session is already est	ablished		
		← •			
	200 OK UPDATE	→	200 OK UPDATE		
	UPDATE	+ +			
		→	200 OK UPDATE		
		Apply post test routine			

TP number	IBCF_207_009	Reference	12 [2]				
TSS reference	Entry_Point/scr/ss/other	·					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.	1/1 AND PICS 7.2.3/8					
Test Purpose name	SUBSCRIBE with 'message	summary' event package supp	ported				
Test Purpose	When the IBCF receives a S	UBSCRIBE request from the o	other network the:				
	Expires header set t	 Event header is set to 'message-summary' Expires header set to '7200' Accept header set to 'application/simple-message-summary' 					
	A SUBCRIBE is sent to the of from the other network.	A SUBCRIBE is sent to the own network containing the MWI related headers as received from the other network.					
SIP Parameter values	SUBCRIBE: Event: messa Expires: 7200						
Comments	Accept: applic	ation/simple-message-summar	ry				
Message flows	Мх	SUT	lc				
Wessaye nows	SUBCRIBE 200 OK SUBCRIBE/ 202 Accepted	← ← → →	SUBCRIBE				

TP number	IBCF_207_010	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/oth	ner				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.1/1 AND PICS 7.2.3/8	8			
Test Purpose name	NOTIFY with message	e summary MIME body supp	ported			
Test Purpose	When the IBCF receive	es a NOTIFY request from t	the other network the:			
	Subscription-Content-Type	 Event header set to 'message-summary' Subscription-State header set to 'active' expires parameter set to '7200' Content-Type header set to 'application/simple-message-summary' MIME body set to 'Messages-Waiting: yes' 				
		A NOTIFY is sent to the own network containing the MWI related headers and MIME body as received from the other network.				
SIP Parameter values	Subscriptio Content-Ty	ssage-summary on-State: active; expires=720 /pe: application/simple-mess Waiting: yes				
Comments						
Message flows	Mx NOTIFY 200 OK NOTIFY	SUT ← ➔	Ic ← NOTIFY → 200 OK NOTIFY			

TP number	IBCF_207_011	Refe	rence		12 [2]
TSS reference	Entry_Point/scr/ss/oth	her			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/9			
Test Purpose name	603 containing a Rea	son header in c	ase of ICB recei	ved	
Test Purpose	When the IBCF receives is sent to the other ne				ne own network, a 603 Decline neader.
SIP Parameter values	603: Reason				
Comments					
Message flows	Mx INVITE 603 Decline ACK	+ + +	SUT	+ + +	IC INVITE 603 Decline ACK

TP number	IBCF_207_012	Refer	ence		12 [2]
TSS reference	Entry_Point/scr/ss/oth	ner			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND	PICS 7.2.3/9		
Test Purpose name	603 containing a Rea	son header in ca	ase of OCB rece	eived	
Test Purpose	When the IBCF receivis sent to the other ne				ne own network, a 603 Decline neader.
SIP Parameter values	603: Reason				
Comments					
Message flows	Mx		SUT		lc
	INVITE	+		+	INVITE
	603 Decline	→		→	603 Decline
	ACK	+		+	ACK

TP number	IBCF_207_013	Reference	12 [2]				
TSS reference	Entry_Point/scr/ss/oth	ner					
Selection criteria	PICS 7.1.1/3 AND NO	OT PICS 7.2.1/1 AND PIC	CS 7.2.3/10				
Test Purpose name	486 containing a Call	-Info header is supported	1				
Test Purpose	When the IBCF receives a 486 Busy Here final response containing a Call-Info header with purpose parameter set to 'call-completion' and m parameter set to 'BS' from the own network ensure that a 486 Busy Here final response is sent to the other network containing the received Call-Info header.						
SIP Parameter values	486: Call-Info: <sip:< th=""><th colspan="5">486: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any></th></sip:<>	486: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>					
Comments	•	• • • •					
Message flows	Mx	SUT					
	INVITE	+	← INVITE				
	486 Busy Here	486 Busy Here → 486 Busy Here					
	ACK	+	← ACK				

TP number	IBCF_207_014	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/oth	ner				
Selection criteria	PICS 7.1.1/3 AND NC	DT PICS 7.2.1/1 AND PICS 7	7.2.3/11			
Test Purpose name	180 containing a Call-	Info header is supported				
Test Purpose	When the IBCF receives a 180 Ringing provisional response containing a Call-Info header with purpose parameter set to 'call-completion' and m parameter set to 'BS' from the own network ensure that a 180 Ringing provisional response is sent to the other network containing the received Call-Info header.					
SIP Parameter values	180: Call-Info: <sip:< th=""><th colspan="5"></th></sip:<>					
Comments			•			
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post test	IC ← INVITE → 180 Ringing routine			

TP number	IBCF_207_015	Reference	12 [2]	
TSS reference	Entry_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	1 AND (PICS 7.2.3/1	1 OR PICS 7.2.3/10)	
Test Purpose name	199 response is supported			
Test Purpose	When the IBCF receives a 199 Early Dialog Terminated provisional response from the own network in early dialogue ensure that the 199 Early Dialog Terminated is sent to the other network.			
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc	
_	INVITE	+	← INVITE	
	180 Ringing	→	➔ 180 Ringing	
	199 Early Dialog Terminated	→	➔ 199 Early Dialog Terminated	
	Apply post test routine			

TP number	IBCF_207_016	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7.2.1/1 AND (PICS 7.2.3/11 OR PICS 7.2.3/10)				
Test Purpose name	SUBSCRIBE and NO	SUBSCRIBE and NOTIFY for Call Completion is supported			
Test Purpose	When the IBCF receives a SUBSCRIBE request from the other network and the:				
	 Call-Info header purpose parameter is set to 'call-completion' and the m para is set to 'BS' or 'NR' 				
	 Event header 	is set to 'call-completion'			
	ensure that a SUBSCI Call-Info and Event he		own network containing the received		
	When the IBCF receiv	es a NOTIFY request from t	he own network and the:		
	 Content-Type cc-state MIME 	 Content-Type header is set to application/call-completion cc-state MIME parameter is set to queued 			
		request is sent to the other dy as received from the own	network containing the Event header network.		
SIP Parameter values	SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion</sip:[any>				
	NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true				
Comments					
Message flows	Мх	SUT	lc		
	SUBSCRIBE 202 Accepted	← →	← SUBSCRIBE→ 202 Accepted		
	NOTIFY 200 OK NOTIFY	→ ← Apply post test	 → NOTIFY ← 200 OK NOTIFY 		

TP number	IBCF 207 017	Reference	12 [2]	
TSS reference	Entry Point/scr/ss/other			
Selection criteria	<u></u>	S 7.2.1/1 AND (PICS 7.2.3/11 C	DR PICS 7.2.3/10)	
Test Purpose name	NOTIFY for Call Completion	``		
Test Purpose	When the IBCF receives a NOTIFY request from the other network and the:			
	 Event header is set to 'call-completion' Content-Type header is set to 'application/call-completion' cc-state MIME parameter is set to 'ready' or 'Subscription-State MIME parameter is set to 'terminated; reason=noresource' 			
	ensure that a NOTIFY request is sent to the own network containing the Event header and the 'cc-' MIME body as received from the other network.			
SIP Parameter values	NOTIFY:			
	Event: call-completion			
	Content-Type: ap	plication/call-completion		
	cc-state: read	/		
	or			
	Subscription-State: terminated; reason=noresource			
Comments	A subscription from the other network is active.			
Message flows	Mx SUT Ic			
-	NOTIFY€€NOTIFY200 OK NOTIFY→200 OK NOTIFY			
	Apply post test routine			
	1			

TP number	IBCF_207_018	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7.2.1/1 AND (PICS 7.2.3/11 OR PICS 7.2.3/10)				
Test Purpose name	PUBLISH for Call Completion				
Test Purpose	When the IBCF receives a PUBLISH request from the other network and the:				
	 Call-Info header purposition is set to 'BS' or 'NR' Content-Type header 	 Event header is set to presence Call-Info header purpose parameter is set to 'call-completion' and the m parameter is set to 'BS' or 'NR' Content-Type header is set to application/pidf+xml 			
	XML MIME body with element 'presence' and status/basic element set to 'closed' or 'open' ensure that a PUBLISH request is sent to the own network containing the Call-Info header and the presence MIME body as received from the other petwork.				
SIP Parameter values	and the presence MIME body as received from the other network. PUBLISH: Event: presence Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Content-Type: application/pidf+xml <?xml version="1.0" encoding="UTF-8"?> <presence <status=""> <basic>closed</basic> or <basic>open</basic></presence></sip:[any>				
Comments					
Message flows	Mx PUBLISH ← 200 OK PUBLISH →	—	Ic PUBLISH 200 OK PUBLISH		

TP number	IBCF_207_019	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/ot	ther			
Selection criteria	PICS 7.1.1/3 AND N	OT PICS 7.2.1/1 AND (PICS	7.2.3/11 OR PICS 7.2.3/10)		
Test Purpose name	INVITE with Call Cor	mpletion information is suppor	ted		
Test Purpose	to 'BS' or 'NR' is pres parameter set to 'call INVITE request is se Call-Info header is pr	When the IBCF receives an INVITE request from the other network and a m parameter set to 'BS' or 'NR' is present in the request line and a Call-Info header containing a purpose parameter set to 'call-completion' and a m parameter set to 'BS' or 'NR', ensure that an INVITE request is sent to the own network, the m parameter in the request line and the Call-Info header is present as received from the other network.			
SIP Parameter values	INVITE: Request Line URI;m=BS or m=NR Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR</sip:[any>				
Comments			· · ·		
Message flows	Mx	SUT	lc		
	INVITE				
		Apply post test routine			

TP number	IBCF_207_020	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/oth	Entry_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/12 OR PICS 7.2.3/13	AND PICS 7.2.3/20		
Test Purpose name	Support of REFER wi	th Referred-By header and Rep	blaces header		
Test Purpose	a Refer-To header co REFER request is ser	When the IBCF receives a REFER request in an active session from the other network and a Refer-To header containing a Replaces header and a Referred-By header is present, a REFER request is sent to the own network containing the Refer-To header and Referred-By header as received from the other network.			
SIP Parameter values		REFER: Refer-To: [any URI];method=invite?Replaces=[any dialogue identifier value] Referred-By: [any URI]			
Comments	An active session is a	Iready established.			
Message flows	Mx SUT Ic A session is already established				
	REFER 202 Accepted	 ← REFER → 202 Accepted utine 			

TP number	IBCF_207_021	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/oth	er	· • •		
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.3/12 OR PICS 7.2.3/	13 AND NOT PICS 7.2.3/20		
Test Purpose name	No support of REFER	method			
Test Purpose		When the IBCF receives a REFER request in an active session from the other network the IBCF sends a 403 Forbidden or 501 Not implemented unsuccessful final response to the other network			
SIP Parameter values	REFER: Refer-To: [a Referred-B		places=[any dialogue identifier value]		
Comments	An active session is al	ready established.			
Message flows	Mx	SUT	lc		
_		A session is already established			
		-	← REFER		
	CASE A		→ 403 Forbidden		
	CASE B		➔ 501 Not implemented		
		Apply post test	routine		

TP number	IBCF 207 022	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/othe	Entry Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.3/12 OR PICS 7.2.3/1	3			
Test Purpose name	Support of NOTIFY with	h 'application/sipfrag' MIME	body			
Test Purpose			ne other network and a sipfrag MIME			
			ork and the sipfrag MIME body is present			
	as received from the ot	her network.				
SIP Parameter values	NOTIFY:					
	Content-Typ	e: message/sipfrag				
	SIP/2.0 100	Trying				
	or	or				
	SIP/2.0 200	SIP/2.0 200 OK				
Comments	A active session is alre-	A active session is already established and a REFER request was received from the own				
	network					
Message flows	Mx	SUT	lc			
	A session is already established and REFER was sent					
	NOTIFY	-				
	200 OK NOTIFY	200 OK NOTIFY → 200 OK NOTIFY				
		Apply post test	routine			

TP number	IBCF_207_023	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	/1 AND PICS 7.2.3/13			
Test Purpose name	INVITE containing a recipient-	list supported			
Test Purpose		IVITE request from the other ne			
	recipient-list, ensure that an IN	VITE request is sent to the ow	n network and the received		
	recipient-list is present.				
SIP Parameter values	INVITE:				
	Content-Type: appl	ication/resource-lists+xml			
	xml version="1.0</th <th>n</th> <th></th>	n			
	<resource-lists< th=""></resource-lists<>				
	list>				
	<pre><entry and="" identifier]<="" pre="" session="" uri=""></entry></pre>				
	<pre><entry and="" identifier]<="" pre="" session="" uri=""></entry></pre>				
Comments					
Message flows	Mx	SUT	lc		
	INVITE 🗧	- +	INVITE		
		Apply post test routine			

TP number	IBCF_207_024	Reference	12 [2]	
TSS reference	Entry_Point/scr/ss/oth	ner		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.1/1 AND PICS 7.2.	3/13	
Test Purpose name	200 OK INVITE conta	iining a 'isfocus' parameter		
Test Purpose	When the IBCF receives a 200 OK INVITE final response from the other network and the Contact header contains the 'isfocus' URI parameter, ensure that a 200 OK INVITE is sent to the own network and the 'isfocus' parameter is present in the Contact header field.			
SIP Parameter values	200 OK: Contact: <sip:[any uri]="">:isfocus</sip:[any>			
Comments				
Message flows	Mx INVITE 200 OK INVITE ACK	SUT ← → ← Apply post te	Ic ← INVITE → 200 OK INVITE ← ACK st routine	

	Apply post test routine			
	INVITE	+	← INVITE	
Message flows	Mx	SUT	lc	
Comments				
	Contact: <sip:[any uri]="">;isfocus</sip:[any>			
SIP Parameter values	INVITE:			
		sus' parameter is present in the		
iest ruipose	contains the 'isfocus' l	URI parameter, ensure that ar	INVITE request is sent to the own	lei
Test Purpose			e other network and the Contact head	lor
Test Purpose name	INVITE containing a 'i	sfocus' parameter		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/13		
TSS reference	Entry_Point/scr/ss/oth	ier		
TP number	IBCF_207_025	Reference	12 [2]	

TP number	IBCF_207_026	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/oth					
Selection criteria	PICS 7.1.1/3 AND PIC					
Test Purpose name	SUBCRIBE for confer	ence event package is suppo	orted			
Test Purpose			om the other network and a Event			
_	header is present set	to 'conference', ensure that a	SUBSCRIBE request is sent to the own			
	network containing the	e Event header as received f	rom the other network.			
SIP Parameter values	SUBSCRIBE:					
	Event: c	Event: conference				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	SUBSCRIBE	÷	← SUBSCRIBE			
	202 Accepted	202 Accepted → 202 Accepted				
	NOTIFY	→	→ NOTIFY			
	200 OK NOTIFY	÷	 200 OK NOTIFY 			
		Apply post test	routine			

TP number	IBCF_207_027	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/oth	her			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/13 AND PICS 7.2.3	3/18		
Test Purpose name	NOTIFY for conference	ce event package is support	ed		
Test Purpose		ves a NOTIFY request from		the conference	
_	package was subscrib	ped containing a conference	info XML MIME body	, ensure that a	
	NOTIFY is sent to the	other network and the conf	erence info XML MIMI	E body is present as	
	received from the owr	n network.			
SIP Parameter values	NOTIFY:				
	Event: con	ference			
		on-State: active			
		tion/conference-info+xml:			
		nference-info>			
		entity=[any URI]			
		<conference-state></conference-state>			
		<user-count>2<th>unt></th><th></th></user-count>	unt>		
		<active>true</active>			
		<users></users>			
	<i>user</i> entity=[any URI]				
	<endpoint entity="=[any" uri]<br=""><status>connected</status></endpoint>				
			dialed-in joining-me</th <th>thod></th>	thod>	
		<media <="" id="1" th=""><th></th><th></th></media>			
	<status>sendrecv</status>				
Comments					
Message flows	Мх	SUT		lc	
_		A session is already	y established		
		Conference notificatio	n is subscribed		
	NOTIFY	→	→ NOTIFY		
	200 OK NOTIFY	+	← 200 OK I	NOTIFY	
		Apply post tes	t routine		

TP number	IBCF_207_028	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/othe	er				
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/1 AND PICS 7	.2.3/14			
Test Purpose name	Support of INVITE con	taining a CUG request				
Test Purpose	networkIndicator, cugli	When the IBCF receives an INVITE request from the other network containing a CUG XML networkIndicator, cugInterlockBinaryCode, cugCommunicationIndicator body, an INVITE is sent to the own network containing the CUG XML body received from the other network.				
SIP Parameter values	Content-Dis xml versio<br cug networkl cugInter	be: application/vnd.etsi.cug+ position: handling= required on="1.0" Indicator>[any value]< lockBinaryCode>[any value] imunicationIndicator>11<	I			
Comments	Ŭ					
Message flows	Mx	SUT		lc		
-	INVITE	+	← INVITE			
		Apply post test routine				

TP number	IBCF_207_029	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/other	·			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.4	I/1 AND PICS 7.2.3/14			
Test Purpose name	Support of INVITE containing	a CUG request			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a CUG XML outgoingAccessRequest, cugIndex body, an INVITE is sent to the own network containing the CUG XML body received from the other network.				
SIP Parameter values	Content-Dispositio xml version="1.<br cug cugCallOperati	on cessRequest>true<			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	Apply post test routine	INVITE		

TP number	IBCF 207 030	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/oth	er				
Selection criteria	PICS 7.1.1/3 AND AN	D ((PICS 7.2.3/14 AND PICS	37.2.3/21) OR NOT PICS 7.2.3/14)			
Test Purpose name		containing a CUG request	i i i			
Test Purpose	networkIndicator, cugl no agreement to supp	When the IBCF receives an INVITE request from the other network containing a CUG XML networkIndicator, cugInterlockBinaryCode, cugCommunicationIndicator body and there is no agreement to support CUG, a 415 Unsupported Media Type final response is sent to the other network to terminate the request.				
SIP Parameter values	INVITE: Content-Ty Content-Dis xml versi<br cug network cugInter	pe: application/vnd.etsi.cug+ sposition: handling= required				
Comments	G					
Message flows	Mx	SUT	Ic ← INVITE → 415 Unsupported Media Type ← ACK			

TP number	IBCF_207_031	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	14				
Test Purpose name	Support of 403 final response					
Test Purpose	When the IBCF receives a 403					
	INVITE request was sent to the		CUG request, ensure that the			
	403 final response I sent to the	e other network.				
SIP Parameter values	INVITE:					
	Content-Disposition	Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0"</th				
	cug networkIndicator>[any value]<					
	cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<					
Comments						
Message flows	Mx	Mx SUT Ic				
	INVITE +	· •	INVITE			
	403 Forbidden	·	403 Forbidden			
	ACK 🗧	• •	ACK			

TP number	IBCF_207_032	Reference	12 [2]				
TSS reference	Entry_Point/scr/ss/oth	er					
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/14					
Test Purpose name	Support of 603 final re	esponse					
Test Purpose	INVITE request was s	When the IBCF receives a 603 Decline final response from the own network upon an INVITE request was sent to the own network containing a CUG request, ensure that the 603 final response I sent to the other network.					
SIP Parameter values	Content-Dis xml versi<br cug network cugInter	pe: application/vnd.etsi.cug+ sposition: handling= requirec ion="1.0" Indicator>[any value]< rlockBinaryCode>[any value] nmunicationIndicator>11<					
Comments							
Message flows	Mx INVITE 603 Decline ACK	SUT ← → ←	Ic ← INVITE → 603 Decline ← ACK				

TP number	IBCF_207_033	Reference	12 [2]				
TSS reference	Entry Point/scr/ss/other		11-1				
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.3/14					
Test Purpose name	Support of 500 final respo	onse					
Test Purpose	upon an INVITE request	When the IBCF receives a 500 Server Internal Error final response from the own network upon an INVITE request was sent to the own network containing a CUG request, ensure that the 500 final response I sent to the other network.					
SIP Parameter values	Content-Dispo xml version:<br cug networkInd cugInterloc	application/vnd.etsi.cug+x sition: handling= required ="1.0" licator>[any value]< kBinaryCode>[any value]< unicationIndicator>11<					
Comments	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
Message flows	Mx INVITE 500 Server Internal Error ACK	SUT ← → ←	Ic ← INVITE → 500 Server Internal Error ← ACK				

TP number	IBCF 207 034	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/othe					
Selection criteria		S 7.2.1/1 AND PICS 7.2.3/1	5			
Test Purpose name	INVITE containing AO		•			
Test Purpose	When the IBCF receive XML MIME body is pre	When the IBCF receives an INVITE request from the other (home) network and a AOC-S XML MIME body is present, ensure that an INVITE request is sent to the own (visited) network and the AOC-S XML body is contained as received from the other network.				
SIP Parameter values	INVITE: Content-Typ xml versio<br aoc aoc-s charg	be: application/vnd.etsi.aoc+				
Comments						
Message flows	Mx INVITE	SUT ← Apply post test	Ic ← INVITE			

TP number	IBCF 207 035	Reference	12 [2]
TSS reference	Entry_Point/scr/ss/other	Reference	
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.		
Test Purpose name	183 containing AOC-S info s		
Test Purpose		83 Session Progress provisiona	
	(home) network and a AOC-	S XML MIME body is present, e	ensure that a 183 Session
	Progress provisional response	se is sent to the other (visited) r	network and the AOC-S XML
	body is contained as receive	d from the own network.	
SIP Parameter values	183:		
	Content-Type: ap	olication/vnd.etsi.aoc+xml	
	xml version="1</th <th></th> <th></th>		
	aoc		
	aoc-s		
	charged-ite	ems	
	5	inication-setup	
	bas	•	
		price-time	
		currency-id	
		currency-amount	
		3	
		length-time-unit	
0		charging-type	
Comments			-
Message flows	Mx	SUT	lc
	INVITE	÷ ÷	INVITE
	183 Session Progress	\rightarrow \rightarrow	183 Session Progress
		Apply post test routine	C C

TP number	IBCF_207_036	Reference		12 [2]		
TSS reference	Entry_Point/scr/ss/othe	r				
Selection criteria	PICS 7.1.1/3 AND PICS	6 7.2.1/1 AND PICS 7.2.3/15				
Test Purpose name	180 containing AOC-S i	info supported				
Test Purpose	and a AOC-S XML MIM	When the IBCF receives a 180 Ringing provisional response from the own (home) network and a AOC-S XML MIME body is present, ensure that a 180 Ringing provisional response is sent to the other (visited) network and the AOC-S XML body is contained as received				
SIP Parameter values	180:					
	xml versio<br aoc aoc-s charg	e: application/vnd.etsi.aoc+x n="1.0" ed-items mmunication-setup basic price-time currency-id currency-amount length-time-unit charging-type	ml			
Comments						
Message flows	Mx	SUT		lc		
	INVITE	←	÷	INVITE		
	180 Ringing	→	→	180 Ringing		
		Apply post test ro	outine			

TP number	IBCF 207 037	Reference	12 [2]			
TSS reference	Entry Point/scr/ss/othe		'2 [2]			
Selection criteria	,	5 7.2.1/1 AND PICS 7.2.3/1	15			
			15			
Test Purpose name		ing AOC-S info supported				
Test Purpose		When the IBCF receives a 200 OK INVITE final response from the own (home) network				
	and a AOC-S XML MIM	IE body is present, ensure	that a 200 OK INVITE final response is			
		d) network and the AOC-S	XML body is contained as received from			
	the own network.					
SIP Parameter values	200 OK:					
		e: application/vnd.etsi.aoc-	Fxml			
	xml versio</th <th>n="1.0"</th> <th></th>	n="1.0"				
	aoc					
	aoc-s					
	charg	ed-items				
	CC	mmunication-setup				
		basic				
		price-time				
		currency-id				
		currency-amount				
		length-time-unit				
		charging-type				
Comments		<u> </u>				
Message flows	Мх	SUT	lc			
-	INVITE	+				
	180 Ringing	→	➔ 180 Ringing			
	200 OK INVITE	→	→ 200 OK INVITE			
		Apply post test				
L		Apply post test				

TP number	IBCF_207_038	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/other	·			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	1 AND PICS 7.2.3/15			
Test Purpose name	INFO containing AOC-D info s	upported			
Test Purpose	When the IBCF receives a INF				
	MIME body is present, ensure the AOC-D XML body is contain				
SIP Parameter values	INFO:				
	Content-Type: application/vnd.etsi.aoc+xml xml version="1.0"</th				
	aoc				
	aoc-d				
	charging-info				
	recorded-charges				
	recorded-currency-units				
	currency-id				
	currer	ncy-amount			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	INFO →	→	INFO		
	200 OK INFO 🗧 🗲	+	200 OK INFO		
		Apply post test routine			

TP number	IBCE 207 020	Reference	10 [0]		
	IBCF_207_039		12 [2]		
TSS reference	Entry_Point/scr/ss/o	ther			
Selection criteria	PICS 7.1.1/3 AND P	PICS 7.2.1/1 AND PICS 7.2.3/	15		
Test Purpose name	BYE containing AO	C-E info supported			
Test Purpose	When the IBCF rece	When the IBCF receives a BYE request from the own (home) network containing a AOC-E			
	XML MIME body is p	present, ensure that the BYE	request sent to the other (visited)		
	contains the AOC-D	XML MIME body as received	from the own network.		
SIP Parameter values	BYE:				
	Content-	Type: application/vnd.etsi.aoc	+xml		
	xml ve</th <th>rsion="1.0"</th> <th></th>	rsion="1.0"			
	aoc				
	aoc-e				
	re	recorded-charges			
	-	recorded-currency-units			
		currency-id			
		currency-amount			
Comments					
Message flows	Мх	SUT	lc		
-		A session is already established			
	BYE	→	→ BYE		
	200 OK BYE	``	 ✓ 200 OK BYE 		

TP number	IBCF 207 040	Reference	12 [2]	
TSS reference	Entry_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PICS 7	.2.1/1 AND PICS 7.2.3/1	15	
Test Purpose name	200 OK BYE containing A	OC-E info supported		
Test Purpose	When the IBCF receives a 200 OK BYE response from the own (home) network containing a AOC-E XML MIME body is present, ensure that the 200 OK BYE response sent to the other (visited) contains the AOC-D XML MIME body as received from the own network.			
SIP Parameter values	other (visited) contains the AOC-D XML MIME body as received from the own network. 200 OK BYE: Content-Type: application/vnd.etsi.aoc+xml xml version="1.0"</td aoc aoc-e recorded-charges recorded-currency-units currency-id currency-amount			
Comments		j		
Message flows	Mx	SUT	lc	
_		A session is already established		
	BYE	+	← BYE	
	200 OK BYE	→	→ 200 OK BYE	

TD www.h.e.v	1005 007 044	Defenses	40 [0]	
TP number	IBCF_207_041	Reference	12 [2]	
TSS reference	Entry_Point/scr/ss/oth			
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PICS 7.2.3/15		
Test Purpose name	INVITE containing the	e capability for network chargin	g is supported	
Test Purpose			e other (visited) network and the Accept	
	header is set to 'appli	cation/vnd.etsi.sci+xml' ensure	that an INVITE is sent to the own	
	(home) network conta	ining the Accept header as rec	ceived from the other network.	
SIP Parameter values	INVITE:			
	Accept: ap	Accept: application/vnd.etsi.sci+xml		
Comments				
Message flows	Mx	SUT	lc	
_	INVITE	+		
		Apply post test routine		

TP number	IBCF_207_042	Reference	12 [2]
TSS reference	Entry_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.1/1 AND PICS 7.2	2.3/15
Test Purpose name	The response code 504	is supported	
Test Purpose	When the IBCF receives ensure that the 504 Server		It final response from the own network, the other network.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
	504 Server Time-out	→	➔ 504 Server Time-out
	ACK	+	← ACK

TP number	IBCF_207_043 Reference 12 [2]
TSS reference	Entry_Point/scr/ss/other
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16
Test Purpose name	183 containing a 'crgt' XML element is supported
Test Purpose	When the IBCF receives a 183 Session Progress provisional response from the own network and a 'sci' XML MIME body is present containing 'crgt' element, ensure that the received 'crgt' XML MIME body is contained in the sent 183 Session Progress to the other network.
SIP Parameter values	183:
	Content-Type: application/vnd.etsi.sci+xml Content-Disposition: render; handling=optional xml version="1.0"<br messageType crgt chargingControlIndicators immediateChangeOfActuallyAppliedTariff delayUntilStart tariffCurrency currentyFactorScale currencyFactorScale currencyFactor currencyScale tariffDuration subTariffControl tariffControlIndicators callAttemptChargeCurrency currencyFactor currencyScale tariffSwitchCurrency currencyFactor currencyScale tariffCurrency currencyFactor cur
	currencyFactor currencyScale tariffSwitchOverTime
	originationIdentification currency
Comments	
Message flows	Mx SUT Ic
	INVITE ← ← INVITE 183 Session Progress → → 183 Session Progress PRACK ← ← PRACK 200 OK PRACK → → 200 OK PRACK Apply post test routine → 200 OK PRACK

TP number	IBCF_207_044	Reference	12 [2]
TSS reference	Entry_Point/scr/ss/othe		
Selection criteria	PICS 7.1.1/3 AND PIC		
Test Purpose name	180 containing a 'crgt'	XML element is supported	
Test Purpose	When the IBCF receive 'sci' XML MIME body is	es a 180 Ringing provisional	response from the own network and a ement, ensure that the received 'crgt' ng to the other network.
SIP Parameter values	180: Content-Typ Content-Dis xml version<br messageTyp crgt charg ir d tariffu c	pe: application/vnd.etsi.sci+x position: render; handling=op on="1.0"	ml oppliedTariff quenceCurrency cy SequenceCurrency le
-	curre	ency	
Comments			-
Message flows	Mx INVITE 180 Ringing PRACK 200 OK PRACK	SUT ← → ← → Apply post test r	Ic ← INVITE → 180 Ringing ← PRACK → 200 OK PRACK

TP number	IBCF_207_045 Reference 12 [2]				
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16				
Test Purpose name	200 OK containing a 'crgt' XML element is supported				
Test Purpose	When the IBCF receives a 200 OK INVITE final response from the own network and a 'sci'				
	XML MIME body is present containing 'crgt' element, ensure that the received 'crgt' XML				
	MIME body is contained in the sent 200 OK INVITE to the other network.				
SIP Parameter values	200 OK:				
	Content-Type: application/vnd.etsi.sci+xml				
	Content-Disposition: render; handling=optional				
	xml version="1.0"</th				
	messageType				
	crgt				
	chargingControlIndicators				
	immediateChangeOfActuallyAppliedTariff				
	delayUntilStart				
	tariffCurrency				
	currentTariffCurrency				
	communicationChargeSequenceCurrency				
	currencyFactorScale				
	currencyFactor				
	currencyScale				
	tariffDuration				
	subTariffControl				
	tariffControlIndicators				
	callAttemptChargeCurrency				
	currencyFactor				
	currencyScale				
	callSetupChargeCurrency				
	currencyFactor				
	currencyScale				
	tariffSwitchCurrency nextTariffCurrency				
	communicationChargeSequenceCurrency				
	currencyFactorScale				
	currencyFactor				
	currencyScale				
	tariffDuration				
	subTariffControl				
	tariffControlIndicators				
	callAttemptChargeCurrency				
	currencyFactor				
	currencyScale				
	callSetupChargeCurrency				
	currencyFactor				
	currencyScale				
	tariffSwitchOverTime				
	originationIdentification				
•	currency				
Comments					
Message flows					
	INVITE				
	180 Ringing → 180 Ringing				
	200 OK INVITE → 200 OK INVITE				
	Apply post test routine				

TP number	IBCF_207_046	Reference	12 [2]			
TSS reference	Entry_Point/scr/ss/othe		' = [=]			
Selection criteria		PICS 7.1.1/3 AND PICS 7.2.3/16				
Test Purpose name						
		XML element is supported	we notwork and a looi! YML MIME hady			
Test Purpose			wn network and a 'sci' XML MIME body			
			e received 'crgt' XML MIME body is			
SIP Parameter values		YE request to the other net	VOIK.			
SIP Parameter values	BYE:	a continuition (und atai agi u)	ml			
		e: application/vnd.etsi.sci+x				
	xml versi</th <th>position: render; handling=o</th> <th>ptional</th>	position: render; handling=o	ptional			
	messageTy	be				
	crgt					
		gingControlIndicators				
		nmediateChangeOfActually	Applied Laritf			
		elayUntilStart				
		Currency				
	c	urrentTariffCurrency	0			
		communicationChargeSequenceCurrency				
		currencyFactorScale				
		currencyFactor				
	currencyScale					
		tariffDuration				
		subTariffControl				
		tariffControlIndicators				
		callAttemptChargeCurren	су			
	currencyFactor					
	currencyScale					
		callSetupChargeCurrency				
		currencyFactor				
		currencyScale				
	ta	ariffSwitchCurrency				
		nextTariffCurrency				
		communicationCharge				
		currencyFactorSca				
		currencyFactor				
		currencyScale				
		tariffDuration				
		subTariffControl				
		tariffControlIndicators				
		callAttemptChargeCurrency				
		currencyFactor				
		currencyScale				
	callSetupChargeCurrency					
	currencyFactor					
		currencyScale				
		tariffSwitchOverTime				
	origi	nationIdentification				
	curre	ncy				
Comments						
Message flows	Mx	SUT	lc			
-		A session is already	established			
	BYE	→	→ BYE			
	200 OK BYE	÷	 ← 200 OK BYE 			

TP number	IBCF 207 047	Reference	12 [2]		
TSS reference	Entry_Point/scr/ss/othe				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16				
	INFO containing a 'crgt' XML element is supported				
Test Purpose name				-	
Test Purpose			e own network and a 'sci' XML MIM		
l			nat the received 'crgt' XML MIME b	oay is	
		IFO request to the other ne	twork.		
SIP Parameter values	INFO:				
		e: application/vnd.etsi.sci+>			
l		position: render; handling=c	ptional		
	xml versio</th <th></th> <th></th> <th></th>				
l	messageTyp	be			
	crgt	in a Quantum II.a dia ata an			
l		ingControlIndicators			
		mediateChangeOfActually	Applied Lann		
		elayUntilStart			
l					
l	Cl	urrentTariffCurrency	auga a Curran av		
		communicationChargeSe	quenceCurrency		
		currencyFactorScale			
		currencyFactor			
	currencyScale				
	tariffDuration subTariffControl				
	tariffControlIndicators				
		callAttemptChargeCurren			
		currencyFactor	Cy		
	currencyScale				
	callSetupChargeCurrency				
	currencyFactor				
	currencyScale				
	tariffSwitchCurrency				
	nextTariffCurrency				
		communicationCharge	SequenceCurrency		
	currencyFactorScale				
	currencyFactor				
l	currencyScale				
		tariffDuration			
		subTariffControl			
		tariffControlIndicators			
		callAttemptChargeCu	rencv		
		currencyFactor			
		currencyScale			
		callSetupChargeCurre	ency		
l	currencyFactor				
l		currencyScale			
		tariffSwitchOverTime			
l	origir	ationIdentification			
	curre				
Comments					
Message flows	Mx	SUT	lc		
i de la constante de	•				
1		A session is already			
	INFO	→	➔ INFO		
	INFO 200 OK INFO	-			

TP number	IBCF 207 048	Reference	12 [2]			
TSS reference			12 [2]			
	Entry_Point/scr/ss/oth					
Selection criteria	PICS 7.1.1/3 AND PIC					
Test Purpose name		crg' XML element is suppor				
Test Purpose			e own network and a 'sci' XML MIME			
			e that the received 'aocrg' XML MIME			
	body is contained in the	ne sent INFO request to the	other network.			
SIP Parameter values	INFO:					
	Content-Ty	Content-Type: application/vnd.etsi.sci+xml				
	Content-Dis	sposition: render; handling=	optional			
	xml vers</th <th></th> <th></th>					
	messageType aocrg					
	0	rgingControlIndicators				
		mmediateChangeOfActually	AppliedTariff			
		delayUntilStart				
		OnCharge				
		addOnChargeCurrency				
		currencyFactorScale				
		currencyFactor				
	currencyScale					
	oria	inationIdentification				
	•					
Comments	Cui	ency				
	Mx	SUT	la la			
Message flows	IVIX		lc			
		A session is already established				
	INFO	→	→ INFO			
	200 OK INFO	+	← 200 OK INFO			
		Apply post test	routine			

6.2.4 Network configuration hiding

6.2.4.1 Registration

TP number	IBCF_208_001	Reference	5.10.4.2 [1]	
TSS reference	Entry_Point/nch/reg			
Selection criteria	PICS 7.2.1/1 AND PICS	\$ 7.1.1/1		
Test Purpose name	Encryption of service-Route header field			
Test Purpose	previously received RE	When an IBCF receives SIP 200 OK REGISTER response from within its own network to previously received REGISTER request from the other network, it shall encrypt the all Service-Route header fields (values) identifying the own network entities.		
SIP Parameter values		200 OK 1: Service-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr 200 OK 2: Service-Route: sip:Token(<sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr), tokenized-by=[any host]</sip:[any></sip:[any></sip:[any></sip:[any>		
Comments	The service route value header field exists	s are contained in one Serv	vice-Route header or for each value a	
Message flows	Mx REGISTER 200 OK REGISTER 1	SUT ← → Apply post test	Ic ← REGISTER → 200 OK REGISTER 2 routine	

		Apply post tes	t routine			
	180 Ringing 1	180 Ringing 1 → 180 Ringing 2				
	INVITE	INVITE ← INVITE				
Message flows	Mx	SUT	lc			
Comments	any URI 1 is the address of an entity in the own network any URI 2 is the address of an entity in the other network					
0	180 2: Record-Route: sip:Token(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host], <sip:[any 2]="" uri="">;lr</sip:[any></sip:[any>					
SIP Parameter values		180 1: Record-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr</sip:[any></sip:[any>				
		quest from a trusted doma	n outside its own network it shall warding the response.			
Test Purpose		When an IBCF receives a SIP receives a SIP 180 Ringing response from the own network				
Test Purpose name	Encrypt all Record-Route headers in the 180 Ringing					
Selection criteria	PICS 7.1.1/1					
TSS reference	Entry_Point/nch/bcall					
TP number	IBCF_209_001	Reference	5.10.3.2 3), 5.10.4 [1]			

6.2.4.2 Basic call requirements

TP number	IBCF 209 002	Reference	5.10.3.2 3), 5.10.4 [1]	
TSS reference	Entry_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Encrypt all Record-Route headers in the 180 Ringing			
Test Purpose	When an IBCF receives a SIP receives a SIP 180 Ringing response from the own network upon a SIP INVITE request from a trusted domain outside its own network it shall encrypted all Record-Route headers prior to forwarding the response.			
SIP Parameter values		tte: <sip:[any 1]="" uri="">;lr, <sip: tte: sip:Token(<sip:[any 1<br="" uri=""><sip:[any 2]="" uri="">;lr</sip:[any></sip:[any></sip: </sip:[any>	[any URI 2]>;Ir 1]>;Ir), tokenized-by=[any host],	
Comments	any URI 1 is the address of an entity in the own network any URI 2 is the address of an entity in the other network			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT ← → → ← Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 ← ACK outine	

TP number	IBCF_209_003	Reference	5.10.3.2 3), 5.10.4 [1]			
TSS reference	Entry_Point/nch/bcall					
Selection criteria	PICS 7.1.1/1					
Test Purpose name	decrypt all Route headers in the ACK					
Test Purpose		When an IBCF receives a SIP ACK request upon a SIP INVITE request from a trusted domain outside its own network was received, it shall decrypted all Route headers prior to				
SIP Parameter values		[URI of IBCF]>;lr, sip:Tokeni [any URI 1]>;lr	(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any>			
Comments	any URI 1 is the addre	ss of an entity in the own ne	twork			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 2	SUT ← → → ← Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1			

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TP number	IBCF_209_004	Reference	5.10.3.2 3), 5.10.4 [1]	
TSS reference	Entry_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received	Route header in the BYE		
Test Purpose			utside its own network subsequent to an or to forwarding the request to the UE.	
SIP Parameter values			(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any>	
	BYE 2: Route: <si< th=""><th>p:[any URI 1]>;lr</th><th></th></si<>	p:[any URI 1]>;lr		
Comments	TP_IMST2_IC_SUB_	_04		
Message flows	Mx	SUT	lc	
		A confirmed dialogue is already established		
	BYE 2	←	← BYE 1	
	200 OK BYE	→	→ 200 OK BYE	

TP number	IBCF_209_005	Reference	5.10.3.2 3), 5.10.4 [1]	
TSS reference	Entry_Point/nch/bcall	·	· · · · · · · ·	
Selection criteria	PICS 7.1.1/1	PICS 7.1.1/1		
Test Purpose name	Decrypt the received Route header in the CANCEL			
Test Purpose			om outside its own network subsequent ers prior to forwarding the request to the	
SIP Parameter values	CANCEL 1: Route: CANCEL 2: Route:	<sip:[uri ibcf]="" of="">;lr, sip:To</sip:[uri>	ken(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any>	
Comments				
Message flows	Мх	SUT	lc	
_		An early dialogue is alrea	ady established	
	CANCEL 2	+	← CANCEL 1	
	200 OK CANCEL	→	→ 200 OK CANCEL	
		Apply post test	routine	

TP number	IBCF 209 006	Reference	5.10.3.3 4), 5.10.4 [1]	
TSS reference	Entry Point/nch/bcall		[0.10.0.0 4], 0.10.4 [1]	
Selection criteria	PICS 7.1.1/1			
Test Purpose name		Route header in a subsequent	INVITE request	
Test Purpose	When an IBCF receiv		m outside its own network subsequent	
SIP Parameter values	INVITE 1: Route: <si< th=""><th>p:[URI of IBCF]>;lr, sip:Token(1</th><th><sip:[any 1]="" uri="">;lr), okenized-by=[any host],</sip:[any></th></si<>	p:[URI of IBCF]>;lr, sip:Token(1	<sip:[any 1]="" uri="">;lr), okenized-by=[any host],</sip:[any>	
	INVITE 2: Route: <si< th=""><th>p:[any URI 1]>;lr</th><th></th></si<>	p:[any URI 1]>;lr		
Comments	TP_IMST2_IC_TAR_	.02		
Message flows	Мх	SUT	lc	
_	A confirmed dialogue is already established			
	INVITE 2	+	← INVITE 1	
		Apply post test r	outine	

6.2.5 Application level gateway

6.2.5.1 Treatment of SIP singnaling

TP number	IBCF_210_001	Reference	5.10.5 [1], 16.3 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	URI scheme in INVTE u	unknown	
Test Purpose	Request-URI with a sch Scheme (416 Unsupport	neme that it does not unde rted URI Scheme) request	est from the other networkwith a erstand, sends an Unsupported URI t failure response.
SIP Parameter values	INVITE: Request line	got:[any URI]	
Comments			
Message flows	Мх	SUT	 INVITE → 416 Unsupported URI Scheme ← ACK

TP number	IBCF_210_002	Reference	5.10.5 [1],
			16.3 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards set to 0	in INVITE received	
Test Purpose	Ensure that the IBCF or	n receipt of an INVITE reques	t from the other network including a
	Max-Forwards header s	set to 0, sends a Too many ho	ops (483 Too many hops) request
	failure response.		
SIP Parameter values	INVITE:		
	Max-Forward	ds: 0	
Comments			
Message flows	Mx	SUT	lc
_			← INVITE
			➔ 483 Too many hops
			← ACK

counter of one.			
counter of one.			
Max-Forwards header	set to 5, forwards it to the o	wn networl	k after having decreasing thi
Ensure that the IBCE of	on receipt of an INVITE requ	lest from th	e other network including a
Max-Forwards header	decreased by one in INVITE	E	
PICS 7.1.1/2			
Entry Doint/olg/oin			10:0 [19]
IBCF_210_003	Reference		5.10.5 [1], 16.6 [19]
	Ensure that the IBCF	Entry_Point/alg/sip PICS 7.1.1/2 Max-Forwards header decreased by one in INVIT Ensure that the IBCF on receipt of an INVITE requ	Entry_Point/alg/sip

TP number	IBCF_210_004	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header	not received in INVITE	
Test Purpose	Ensure that the IBCF	on receipt of an INVITE requ	est from the other network without a
	Max-Forwards header	, forwards it to the own netw	ork after having added a Max-Forwards
	header with the value	set to 70.	C C
SIP Parameter values	INVITE 1:		
	INVITE 2:		
	Max-Forwa	rds: 70	
Comments			
Message flows	Mx	SUT	lc
-	INVITE 2	+	← INVITE 1
		Apply post test	routine

TP number	IBCF_210_005	Reference	5.10.5 [1],	
			16.6 [19]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Max-Forwards header	decreased by one in ACK		
Test Purpose	Ensure that the IBCF o	n receipt of an ACK request	t from the other network including a	
-	Max-Forwards header set to 5, forwards it to the own network after having decreasing this			
	counter of one.		· · · ·	
SIP Parameter values	ACK 1:			
	Max-Forwar	ds: 5		
	ACK 1:			
	Max-Forwar	ds: 4		
Comments				
Message flows	Мх	SUT	lc	
-	INVITE	+		
	180 Ringing	→	→ 180 Ringing	
	200 OK INVITE	→	→ 200 OK INVITE	
	ACK 2	÷	← ACK 1	
	-	Apply post test	routine	

IBCF_210_006	Reference	5.10.5 [1],
		16.6 [19]
Entry_Point/alg/sip		
PICS 7.1.1/2		
Max-Forwards header	not received in ACK	
Max-Forwards header	, forwards it to the own netwo	
ACK 1: ACK 2: Max-Forwal	rds: 70	
Mx INVITE 180 Ringing 200 OK INVITE ACK 2	SUT ÷ ÷ c Apply post test re	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1
	Entry_Point/alg/sip PICS 7.1.1/2 Max-Forwards header Ensure that the IBCF of Max-Forwards header header with the value s ACK 1: ACK 2: Max-Forwar Mx INVITE 180 Ringing 200 OK INVITE	Entry_Point/alg/sip PICS 7.1.1/2 Max-Forwards header not received in ACK Ensure that the IBCF on receipt of an ACK request 1 Max-Forwards header, forwards it to the own netwo header with the value set to 70. ACK 1: ACK 2: Max-Forwards: 70 Max SUT INVITE 400 Ringing 200 OK INVITE

TP number	IBCF_210_007	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	URI scheme in CAN	NCEL unknown	
Test Purpose	Ensure that the IBC	F on receipt of a CANCEL	request from the other network with a
	Request-URI with a	scheme that it does not ur	nderstand, sends a Unsupported URI
	Scheme (416 Unsu	pported URI Scheme) requ	iest failure response.
SIP Parameter values	CANCEL: Request	line got:[any URI]	
Comments			
Message flows	Мх	SUT	lc
_	INVITE	÷	
	180 Ringing	→	→ 180 Ringing
	0.0		
			➔ 416 Unsupported URI Scheme
		Apply post t	••

TP number	IBCF_210_008	Reference		5.10.5 [1],
				16.6 [19]
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Max-Forwards set to 0	in CANCEL received		
Test Purpose				the other network including a 3 Too many hops) request
SIP Parameter values	CANCEL: Max-Forwar	ds: 0		
Comments				
Message flows	Mx INVITE 180 Ringing	SL ← → Apply post	JT + + + t test routine	Ic INVITE 180 Ringing CANCEL 483 Too many hops

TP number	IBCF_210_009	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header	not received in CANCEL	
Test Purpose			est from the other network, without a
	header with the value	-	ork after having added a Max-Forwards
SIP Parameter values	CANCEL 1:		
	CANCEL 2:		
	Max-Forwa	rds: 70	
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	
	180 Ringing	→	→ 180 Ringing
	CANCEL 2	←	CANCEL 1
		Apply post test r	outine

TP number	IBCF_210_010	Reference	5.10.5 [1],	
			16.6 [19]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	URI scheme in Bye u	nknown		
Test Purpose	Ensure that the IBCF on receipt of a BYE request from the other network with a			
			and, sends an Unsupported URI	
	Scheme (416 Unsupp	oorted URI Scheme) request fa	ilure response to the other network.	
SIP Parameter values	BYE: Request line g	jot:[any URI]		
Comments				
Message flows	Mx	SUT	lc	
_	A session is already established			
		-	← BYE	
			➔ 416 Unsupported URI Scheme	
		Apply post test ro	outine	

TP number	IBCF_210_011	Reference	5.10.5 [1],	
			16.6 [19]	
TSS reference	Entry_Point/alg/sip	· · · · · · · · · · · · · · · · · · ·		
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Max-Forwards set to 0	in BYE received		
Test Purpose	Ensure that the IBCF o	n receipt of a BYE request fro	om the own network including a	
	Max-Forwards header	set to 0, sends a Too many he	ops (483 Too many hops) request	
	failure response to the	own network.		
SIP Parameter values	BYE:			
	Max-Forwar	ds: 0		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
			← BYE	
			→ 483 Too many hops	
		Apply post test ro	outine	

TP number	IBCF_210_012	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header	decreased by one in BYE	
Test Purpose			om the other network including a
	Max-Forwards header counter of one.	set to 5, forwards it to the ow	n network after having decreasing this
SIP Parameter values	BYE 1: Max-Forwar	rds: 5	
	BYE 1: Max-Forwar	rds: 4	
Comments			
Message flows	Mx	SUT	lc
_		A session is already e	established
	BYE 2	+	🗲 BYE 1
		Apply post test re	outine

TP number	IBCF_210_013	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Max-Forwards header not rec	eived in BYE	
Test Purpose		pt of a BYE request from the ot ds it to the own network after ha D.	
SIP Parameter values	BYE 1: BYE 2: Max-Forwards: 70		
Comments			
Message flows	Mx	SUT	lc
		session is already establishe	
	BYE 2		BYE 1
		Apply post test routine	

TP number	IBCF_210_014	Reference	5.10.5 [1], 16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Not allowed Request li	ne URI paramerter in INVITE	
Test Purpose	Request-URI containin Request-URI before fo	g a not allowed parameter, re rwarding that message to the	
SIP Parameter values	INVITE 1: Request line	e [URI] ;UnsupportedToken=\ e [URI]	Jnsupportedvalue
Comments			
Message flows	Mx INVITE 2	SUT ← Apply post test re	IC INVITE 1 putine

TP number	IBCF_210_015	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		· · · · · · · · · · · · · · · · · · ·
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Not allowed Request li	ne URI paramerter in ACK	
Test Purpose	Request-URI containir		from the other network, with the removes that parameter from the e own network.
SIP Parameter values	ACK 1: Request line	e [URI] ;UnsupportedToken= e [URI]	UnsupportedValue
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 2	SUT ← → ← Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1
		Apply post lest i	outilie

IBCF_210_016	Reference	5.10.5 [1],
		16.6 [19]
Entry_Point/alg/sip		
PICS 7.1.1/2		
Not allowed Request lir	ne URI paramerter in CANCI	EL
Request-URI containing	g a not allowed parameter, r	emoves that parameter from the
		en=UnsupportedValue
Mx INVITE 180 Ringing CANCEL 2	SUT ← → ← Apply post test r	Ic ← INVITE → 180 Ringing ← CANCEL 1 outine
	Entry_Point/alg/sip PICS 7.1.1/2 Not allowed Request lin Ensure that the IBCF o Request-URI containing Request-URI before for CANCEL 1: Request CANCEL 2: Request Mx INVITE 180 Ringing	Entry_Point/alg/sip PICS 7.1.1/2 Not allowed Request line URI parametter in CANCI Ensure that the IBCF on receipt of a CANCEL requ Request-URI containing a not allowed parameter, r Request-URI before forwarding that message to the CANCEL 1: Request line [URI] ;UnsupportedToke CANCEL 2: Request line [URI] Mx SUT INVITE € 180 Ringing →

TP number	IBCF_210_017	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip	· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Not allowed Request li	ne URI paramerter in BYE	
Test Purpose	Request-URI containin	n receipt of a BYE request fro g a not allowed parameter, re rwarding that message to the	moves that parameter from the
SIP Parameter values	BYE 1:Request line [U BYE 2:Request line [U	RI] ;UnsupportedToken=Unsu RI]	ipportedValue
Comments	· · ·	-	
Message flows	Мх	SUT A session is already es	lC stablished
	BYE 2	A session is already es	← BYE 1

TP number	IBCF_210_018	Ref	erence		5.10.5 [1],
					16.6 [19]
TSS reference	Entry_Point/alg/s	sip			
Selection criteria	PICS 7.1.1/2				
Test Purpose name	200 OK does no	t match an existing	transaction		
Test Purpose		s not match to an			TE) response from the own with a single Via header, does
SIP Parameter values	200 OK INVITE:	Cseq: [any value]	NOTIFY		
Comments					
Message flows	Mx		SUT		lc
	INVITE	+		÷	INVITE
	180 Ringing	→		→	180 Ringing
	200 OK	→			
		A	pply post test r	outine	

TP number	IBCF_210_019	Reference		5.10.5 [1], 17.1.1.2 [1	91
TSS reference	Entry_Point/alg/sip	I		[[.	~]
Selection criteria	PICS 7.1.1/2				
Test Purpose name	The transaction enters	s in the Proceeding state	when 100 wa	s received	
Test Purpose	-	when an INVITE client to g) response from the own eated.		Ų	
SIP Parameter values					
Comments					
Message flows	Mx INVITE 100 Trying	SUT ✦ ✦	₹	INVITE	lc
		Apply post t	est routine		

TP number	IBCF_210_020	Reference	5.10.5 [1],			
			17.1.1.2 [19]			
TSS reference	Entry_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The transaction enters in the Proceeding state when 183 was received					
Test Purpose	Ensure that the IBCF, when an INVITE client transaction is in the Calling state, on receipt of a Session Progress (183 Session Progress) response from the own network enters in the Proceeding state. The INVITE is not repeated.					
SIP Parameter values	Ť	•				
Comments						
Message flows	Mx INVITE 183 Session Progress	SUT ← →	Ic ← INVITE → 183 Session Progress			
	Apply post test routine					

TP number	IBCF_210_021	Reference		5.10.5 [1],			
				17.1.1.2 [19]			
TSS reference	Entry_Point/alg/sip						
Selection criteria	PICS 7.1.1/2						
Test Purpose name	The transaction enters	The transaction enters in the Proceeding state when 180 was received					
Test Purpose	Ensure that the IBCF, when an INVITE client transaction is in the Calling state, on receipt of a Ringing (180 Ringing) response from the own network enters in the Proceeding state. The INVITE is not repeated.						
SIP Parameter values	· · ·						
Comments							
Message flows	Mx INVITE 180 Ringing	€ →	SUT + +	Ic INVITE 180 Ringing			
	Apply post test routine						

TP number	IBCF_210_022	R	eference		5.10.5 [1],	
					17.1.1.1 [1	9]
TSS reference	Entry_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/1				
Test Purpose name	UDP Timeout timer A	the INVITE	is repeated			
Test Purpose	transaction is in the Ca	If an unreliable transport (UDP) is used, ensure that the IBCF, when an INVITE client transaction is in the Calling state repeats its INVITE request to the own network on the timeout condition of timer A set with a value of T1.				
SIP Parameter values						
Comments						
Message flows	Mx		SUT			lc
_	INVITE	+	Start A (T1)	÷	INVITE	
	INVITE	÷	Timeout A			
			Apply post test r	outine		

TP number	IBCF_210_023	Reference	5.10.5 [1],		
			17.1.1.1 [19]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/2			
Test Purpose name	TCP Timeout timer A	TCP Timeout timer A the INVITE is not repeated			
Test Purpose	transaction is in the C		BIBCF, when an INVITE client INVITE request to the own network on T1.		
SIP Parameter values					
Comments					
Message flows	Mx INVITE	SUT ← Start A (T1)	IC INVITE		
		Timeout A			
		Apply post test r	outine		

TP number	IBCF_210_024	I	Reference		5.10.5 [1],	01
					17.1.1.1 [1	9]
TSS reference	Entry_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/1				
Test Purpose name	UDP Second timeout	timer A the	e INVITE is repeated			
Test Purpose	If an unreliable transp transaction is in the C	alling state	e having already repe	eated its	INVITE to th	
	wait for a timer A set v	with a valu	e of 2*T1 before sen	iding it a	gain.	
SIP Parameter values						
Comments						
Message flows	Mx		SUT			lc
-	INVITE	+		+	INVITE	
	INVITE	÷	Start A (2*T1)			
	INVITE	+	Timeout A Apply post test ro	outine		

TP number	IBCF_210_025	ſ	Reference		5.10.5 [1],
					17.1.1.1 [19]
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PICS 7.	2.4/1			
Test Purpose name	UDP Third timeout timer A	the IN	VITE is repeated		
Test Purpose	If an unreliable transport (L transaction is in the Calling intervals that double after e	g state	e retransmits its INVITE r		, when an INVITE client est to the own network with
SIP Parameter values					
Comments					
Message flows	Mx		SUT		lc
	INVITE INVITE INVITE	+ $+$ $+$	Start A (4*T1)	÷	INVITE
	INVITE	÷	Timeout A Apply post test routin	ne	

TP number	IBCF_210_026	F	Reference		5.10.5 [1],	
					17.1.1.1 [19]
TSS reference	Entry_Point/alg/sip	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/1				
Test Purpose name	UDP: No ACK is sent a	after timed	out timer B			
Test Purpose	Ensure that the IBCF, when an INVITE client transaction is in the Calling state, when timer B set to a value of 64*T1 expires, considers the transaction terminated and does not send					
	an ACK to the own net	work.				
SIP Parameter values						
Comments	After timeout timer B th	ne INVITE	is not retransmitted	and no	ACK is sent	
Message flows	Mx		SUT			lc
-	INVITE	←	Start B (64*T1)	+	INVITE	
	INVITE	÷	· · · · · ·			
	INVITE	←				
			Timeout B			
	Apply post test routine					

TP number	IBCF_210_027	Reference	5.10.5 [1],		
			17.1.1.1 [19]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	1			
Test Purpose name	UDP: ACK is retransmitted unt	il timeout timer D			
Test Purpose	If an unreliable transport is use	d, ensure that the IBCF, wher	n an INVITE client transaction		
	is in the Completed state, on receipt of a final response from the other network that matches the transaction, repeats its ACK request until timer D set to at least 32 second expires.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	lc		
	INVITE +	+	INVITE		
	[any final response]	→	[any final response]		
	ACK +	Start timer D	ACK		
	[any final response]				
	ACK +				
	[any final response]				
	ACK - +				
	[any final response]				
	Timeout timer D				
		Apply post test routine			

TP number	IBCF_210_028	Reference	5.10.5 [1], 17.1.1.1 [19]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/2	2		
Test Purpose name	TCP: ACK is retransmitted unti	l timeout timer D		
Test Purpose	If a reliable transport is used, ensure that the IBCF, when an INVITE client transaction is in the Completed state, on receipt of a final response from the own network that matches the transaction, repeats its ACK request.			
SIP Parameter values		•		
Comments				
Message flows	Mx INVITE ← [any final response] → ACK ← [any final response] →	Start timer D	Ic ← INVITE → [any final response] ← ACK	
		Timeout timer D		
		Apply post test routine	9	

TP number	IBCF_210_029	Reference	5.10.5 [1],
			17.1.2.2 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/1	
Test Purpose name	UDP: BYE is retransmi	tted after timeout timer E	
Test Purpose		sent a BYE request to the ow	CF, when a BYE client transaction is in vn network, repeats its request after
SIP Parameter values		·	
Comments			
Message flows	Mx	SUT	lc
_		A session is already e	stablished
	BYE	← Start timer E (T1)	← BYE
	BYE	← Timeout timer E	
		Apply post test ro	putine

TP number	IBCF_210_030	Reference	5.10.5 [1]	,
			17.1.2.2 [19]
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.	2.4/1		
Fest Purpose name	UDP: BYE is retransmitted	after second timeout time	r E	
Test Purpose	If an unreliable transport is the Trying state having ser request after timer E set to	nt twice times a BYE reque	st to the own netwo	
SIP Parameter values			•	
Comments				
Message flows	Mx	SUT		lc
		A session is already es	tablished	
	BYE	← Start timer E (T1)	← BYE	
	BYE	 Timeout timer E Start timer E (2*T1))	
	BYE	 Timeout timer E 	·	
		Apply post test ro	utine	

TP number	IBCF 210 031	Reference	5.10.5 [1],	
			17.1.2.2 [19]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	/1		
Test Purpose name	UDP: BYE is retransmitted aft	er third timeout timer E		
Test Purpose	If an unreliable transport is used, ensure that the IUT, when a BYE client transaction is in the Trying state having sent three times a BYE request to the other network, repeats its request after timer E set to the MIN(4*T1,T2) value expires.			
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc	
	A	session is already established	ed	
	BYE	- Start timer E (T1) 🗧 🗲	BYE	
	BYE	 Timeout timer E 		
	BYE 🗲	Start timer E (4*T1) Timeout timer E		
	Apply post test routine			

TP number	IBCF_210_032	Reference	5.10.5 [1], 17.1.2.2 [19]
TSS reference	Entry Point/alg/sip		[17.1.2.2 [13]
Selection criteria	PICS 7.1.1/2 AND PICS 7.	2.4/1	
Test Purpose name	UDP: BYE is retransmitted	after timeout timer E value T2	
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when a BYE client transaction is in the Trying state and the time of T2 is reached, the BYE request is retransmitted to the own network in the time of T2.		
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
		A session is already establis	hed
	BYE	 Start timer E, F (64*T1) 	← BYE
	BYE	 Timeout timer E 	
	BYE	 Timeout timer E 	
	BYE	 Timeout timer E 	
	BYE	 Timeout timer E 	
		Start E (T2)	
	BYE	 Timeout timer E 	
		Apply post test routine	

TD			E 40 E [4]		
TP number	IBCF_210_033	Reference	5.10.5 [1],		
			17.1.2.2 [19]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	The BYE is not repeated af	er timeout Timer F			
Test Purpose	If an unreliable transport is	used, ensure that the IBCF, wher	a BYE client transaction is in		
	the Trying state does not re	peat a BYE request, after timer F	set to 64*T1 expires.		
SIP Parameter values					
Comments					
Message flows	Mx	SUT	lc		
_		A session is already establish	ed		
	BYE 🗲	Start timer E, F (64*T1)	BYE		
	BYE 🗲	Timeout timer E			
	BYE 🗲	Timeout timer E			
		Timeout timer F			
		Apply post test routine			

TP number	IBCF_210_034	Reference	5.10.5 [1], 17.1.2.2 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	UDP: BYE Transaction	on in the terminated state	
Test Purpose			on is in the Trying state, considers the swithout receiving any final response.
SIP Parameter values			
Comments			
Message flows	Mx	SUT A session is already	lc established
	BYE 🗲	Start timer E, F (64*T1) Timeout timer E Timeout timer E	
		Timeout timer F	
		← →	BYE 481 Call/Transaction Does Not Exist

TP number	IBCF_210_035	Reference	5.10.5 [1],
			16.2, 8.2.6.2 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	INVITE received a 100) is sent	
Test Purpose	Ensure that the IBCF,	on receipt of an INVITE requ	est from the other network, sends a
	provisional (100 Trying	g) response to the own netwo	ork including the headers From, Call-Id,
	CSeq and Via copied	from the INVITE message.	-
SIP Parameter values	INVITE:		
	From		
	Call-ID		
	CSeq		
	Via		
	100:		
	From		
	Call-ID		
	CSeq		
	Via		
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	← INVITE
			→ 100 Trying
		Apply post test r	outine

TP number	IBCF_210_036	Reference	5.10.5 [1],
			16.2, 8.2.6.2, 17.2.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	No tag parameter receive	ed in the INVITE, no tag pa	arameter sent in 100
Test Purpose	Ensure that the IBCF, on	receipt of an INVITE requ	lest from the other network with no "tag"
			ing) response to the other network
	including the same URI a	ind no tag in the To heade	er.
SIP Parameter values	INVITE:		
	To: [any URI]	(no tag)	
	100:		
	To: [any URI]	(no tag)	
Comments			
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
			→ 100 Trying
		Apply post test r	routine

TD mumber		Deference	
TP number	IBCF_210_037	Reference	5.10.5 [1],
			16.2, 8.2.6.2, 17.2.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	tag parameter receiv	ed in INVITE, the same tag pa	rameter is sent in the 100
Test Purpose	Ensure that the IBCF	, on receipt of an INVITE requ	est from the other network with a "tag"
-	set on the To header	, sends a provisional (100 Tryi	ng) response to the other network
		JRI and the same tag in the To	
SIP Parameter values	INVITE:		
	To: [any U	JRI], tag=[any value]	
	100:		
	To: [any U	JRI], tag=[same value as in IN\	/ITE received]
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	
			→ 100 Trying
		Apply post test r	outine

TP number	IBCF 210 038	Reference	5.10.5 [1],			
			17.2.3.1, 17.2.3.2 [19]			
TSS reference	Entry_Point/alg/sip	·				
Selection criteria	PICS 7.1.1/2					
Test Purpose name	Last response is repea	ated if INVITE request receive	ed with same branch parameter			
Test Purpose	from the other network	Ensure that the IBCF in a server INVITE Proceeding state, on receipt of an INVITE request from the other network, including a Via header set with the same branch parameter and sent-by value in the topmost list value, repeats its last response.				
SIP Parameter values	INVITE: Via: 100: Via:					
Comments						
Message flows	Mx INVITE 100 Trying INVITE 100 Trying	SUT + + + Apply post test r	Ic ← INVITE → 100 Trying ← INVITE → 100 Trying			

IBCF_210_039	Reference	5.10.5 [1], 17.2.1, 17.2.3 [19]		
Entry Point/alg/sip		[17.2.1, 17.2.0 [13]		
PICS 7.1.1/2				
The same Via header	is sent in the repeated 486 re	esponse		
Ensure that the IBCF in a server INVITE Completed state, on receipt of an INVITE request from the other network, including a Via header set with the same branch parameter and sent-by value in the topmost list value, repeats its last response sent to the other network.				
INVITE: Via: 486: Via:				
Mx INVITE 486 Busy Here INVITE 486 Busy Here	SUT ← → ← → Apply post test r	Ic ← INVITE → 486 Busy Here ← INVITE → 486 Busy Here ← ACK		
	Entry_Point/alg/sip PICS 7.1.1/2 The same Via header Ensure that the IBCF from the other network sent-by value in the to INVITE: Via: 486: Via: Mx INVITE 486 Busy Here INVITE	Entry_Point/alg/sip PICS 7.1.1/2 The same Via header is sent in the repeated 486 reference Ensure that the IBCF in a server INVITE Complete from the other network, including a Via header set is sent-by value in the topmost list value, repeats its is INVITE: Via: 486: Via: INVITE Ka6 Busy Here + 486 Busy Here + 486 Busy Here		

TP number	IBCF 210 040	Reference	5.10.5 [1],		
			17.2.2, 17.2.3 [19]		
SS reference	Entry_Point/alg/sip		[11:2:2; 11:2:0 [10]		
Selection criteria	PICS 7.1.1/2				
Fest Purpose name	The same Via header	is sent in the repeated 200 OK	response		
Test Purpose	Ensure that the IBCF in a server BYE Completed state , on receipt of a BYE request, including a Via header set with the same branch parameter and sent-by value in the topmost list, repeats its last response.				
SIP Parameter values	BYE:				
	Via:				
	200 OK:				
	Via:				
Comments					
Message flows	Mx	SUT	lc		
-	A session is already established				
	BYE	←	🗲 BYE		
	200 OK BYE	→	→ 200 OK BYE		
			← BYE		

TP number	IBCF_210_041	Reference	5.10.5 [1], 9.2, 16.10 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	The same Via header in CA	NCEL recived as in INV	ITE
Test Purpose	including a Via header set	with the same branch par	g state , on receipt of a CANCEL, rameter and sent-by value with the Success (200 Success) response to
SIP Parameter values			
Comments			
Message flows	Mx INVITE 100 Trying CANCEL 200 OK CANCEL 487 Request Terminated ACK	SUT ← ← → ← → ←	Ic ← INVITE → 100 Trying ← CANCEL → 200 OK CANCEL → 487 Request Terminated ← ACK

TP number	IBCF_210_042	Refere	nce		5.10.5 [1], 13.3.1.4, 17.2.3.1 [19]
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	State change from the	e Proceeding stat	e into the Compl	eted s	state
Test Purpose	Ensure that the IBCF enters in the Complet		E Proceeding sta	ate, a	fter sending a 4XX response,
SIP Parameter values					
Comments					
Message flows	Mx		SUT		lc
_	INVITE	+		←	INVITE
	100 Trying	→		→	100 Trying
	486 Busy Here	→		→	486 Busy Here
	ACK	+			
				→	486 Busy Here
				←	ACK

TP number	IBCF_210_043	Reference	5.10.5 [1],		
			13.3.1.4, 17.2.3.1 [19]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	State change from the	Proceeding state into the C	Confirmed state		
Test Purpose	Ensure that the IBCF in a server INVITE Completed state, on receipt of an ACK request, enters in the Confirmed state.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	lc		
	INVITE	÷	← INVITE		
	486 Busy Here	→	➔ 486 Busy Here		
	ACK	+	← ACK		

TP number	IBCF_210_044	Reference	5.10.5 [1],		
			15.1.2 [19]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	481 response to a BYE	request			
Test Purpose	Ensure that the IBCF, while no dialog has been established, on receipt of a BYE request, sends a Call/Transaction does not exist (481 Call/Transaction does not exist).				
SIP Parameter values		x			
Comments					
Message flows	Mx	SUT	lc		
-			BYE		
		-	481 Call/Transaction does not exist		

TP number	IBCF_210_045	Reference	5.10.5 [1],
			17.2.1, Annex A [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/1	
Test Purpose name	Final response repeate	ed after timeout timer G	
Test Purpose		te repeats its response sent to	, when an INVITE server transaction the other network on the timeout
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
-	INVITE 180 Ringing 403 Forbidden	← → →	← INVITE→ 180 Ringing
		Start timer G (T1) Timeout timer G	 → 403 Forbidden → 403 Forbidden ← ACK

TP number	IBCF_210_046	Reference	5.10.5 [1],
			17.2.1, Annex A [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS	5 7.2.4/2	
Test Purpose name	Final response is not re	peated after timeout timer G	
Test Purpose	transaction is in the Co	CP) is used, ensure that the IE mpleted state does not repeat timer G set with a value of T1	its response to the other network on
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
_	INVITE	←	← INVITE
	180 Ringing 403 Forbidden	\rightarrow \rightarrow	→ 180 Ringing
		 Start timer G (T1) Timeout timer G 	→ 403 Forbidden
			← ACK

TP number	IBCF 210 047	Reference	5.10.5 [1],
		Reference	17.2.1, Annex A [19]
T 00			[17.2.1, Allilex A [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS 7.	2.4/1	
Test Purpose name	Final response repeated at	fter second timeout timer G	
Test Purpose	If an unreliable transport is	used, ensure that the IBCF,	when an INVITE server transaction
	is in the Completed state a	ind having already sent twice	times its response to the other
		ner G set MIN(2*T1,T2) value	
SIP Parameter values			·
Comments			
Message flows	Mx	SUT	lc
-	INVITE	+	← INVITE
	180 Ringing	→	→ 180 Ringing
	403 Forbidden	→	
		Start timer G (T1)	→ 403 Forbidden
		Timeout timer G	
		Start timer G (2*T1)	
		Timeout timer G	→ 403 Forbidden
		rimeout limer G	← ACK
		Apply post tost routi	
		Apply post test routi	ne

TP number	IBCF_210_048	Reference		5.10.5 [1],
				17.2.1, Annex A [19]
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	4/1		
Test Purpose name	Final response repeated afte	r third timeout timer G		
Test Purpose				an INVITE server transaction
	is in the Completed state and			
	network, repeats it after time	r G set the MIN(4*T1,T2) va	alue e	expires.
SIP Parameter values				
Comments				
Message flows	Mx	SUT		lc
	INVITE	÷	←	INVITE
	180 Ringing	→	→	180 Ringing
	403 Forbidden	→		
		Start timer G (T1)	→	403 Forbidden
		Timeout timer G	→	403 Forbidden
		Start timer G (2*T1)		
		Timeout timer G	→	403 Forbidden
		Start timer G (4*T1)		
		Timeout timer G	→	403 Forbidden
			←	ACK

TP number	IBCF_210_049	Reference		5.10.5 [1], 17.2.1, Annex A [19]		
TSS reference	Entry_Point/alg/sip			· · · · ·		
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The terminated state i	s entered after timer H v	vas exp	bired		
Test Purpose	,	Ensure that the IBCF, when an INVITE server transaction is in the Completed state and, enters in the Terminated state after timer H set to 64*T1 value expires.				
SIP Parameter values						
Comments						
Message flows	Mx	SUT		lc		
	INVITE ←		←	INVITE		
	180 Ringing → 403 Forbidden →		→	180 Ringing		
		Start timer H (64*T1)	→	403 Forbidden		
		Timeout timer H				
			← →	ACK 481 Call/Transaction does not exist		

TP number	IBCF 210 050		Reference		5.10.5 [1],
re number	IBCF_210_030		Reference		2 37
					17.2.1, Annex A [19]
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND P	ICS 7.2.4/	1		
Test Purpose name	Final response is not	t repeated	after timeout timer H		
Test Purpose	If an unreliable trans	port is use	ed, ensure that the IBCF, v	when a	an INVITE server transaction
	is in the Completed s	state and,	does not repeats its respo	onse s	ent to the other network after
	timer H set to 64*T1	value exp	ires.		
SIP Parameter values					
Comments					
Message flows	Mx		SUT		lc
	INVITE	÷		←	INVITE
	180 Ringing	→		→	180 Ringing
	403 Forbidden	→			0 0
			Start timer H (64*T1)	→	403 Forbidden
			(-)	→	403 Forbidden
				→	403 Forbidden
			Timeout timer H		
			Apply post test routin	ne	

TP number	IBCF 210 051		Reference	5.10.5 [1],
				17.2.1, Annex A [19]
TSS reference	Entry_Point/alg/si	р		
Selection criteria	PICS 7.1.1/2 AND	PICS 7.2.4	/1	
Test Purpose name	The terminated st	ate is entere	d after timer I was ex	<pre></pre>
Test Purpose				3CF, when an INVITE server transaction state after timer I set to T4 value
SIP Parameter values				
Comments				
Message flows	Mx		SUT	lc
_	INVITE	←	+	INVITE
	180 Ringing	→	→	180 Ringing
	403 Forbidden	→	→	403 Forbidden
			+	ACK
			+	ACK
			+	ACK
			→	481 Call/Transaction does not exist

TP number	IBCF_210_052	Refere	nce	5.10.5 [1],	
				17.2.1, Annex A [19]	
TSS reference	Entry_Point/alg/si	0			
Selection criteria	PICS 7.1.1/2 ANE	PICS 7.2.4/2			
Test Purpose name	The server enters	immediately in the t	erminated stat	e	
Test Purpose		If a reliable transport is used, ensure that the IBCF, when an INVITE server transaction is in the Confirmed state, enters immediately in the Terminated state.			
SIP Parameter values			-		
Comments					
Message flows	Mx	SUT		lc	
_	INVITE	÷	+	INVITE	
	180 Ringing	→	→	180 Ringing	
	403 Forbidden	→	→	403 Forbidden	
		Start timer	(T4) ←	ACK	
			` ←	ACK	
			→	481 Call/Transaction does not exist	

TP number	IBCF_210_053		Reference		5.10.5 [1],
					17.2.2, Annex A [19]
TSS reference	Entry_Point/alg/	sip			
Selection criteria	PICS 7.1.1/2 AN	ID PICS 7	.2.4/1		
Test Purpose name	Enters from the	completed	d state into the termin	nated	state
Test Purpose					CF, when a BYE server transaction is in the BYE request, retransmits its
		•	set to 64*T1 expires.		
SIP Parameter values		-	I		
Comments					
Message flows	Mx		SUT		lc
-			A session is alrea	ady e	established
	BYE	÷		÷	BYE
	200 OK BYE	→ 5	Start timer J (64*T1)	→	200 OK BYE
				←	BYE
				→	200 OK BYE
		т	-impout timor I		
		I	imeout timer J	←	BYE
				► →	481 Call/Transaction does not exist

TP number	IBCF_210_054	Reference	5.10.5 [1],		
			8.1 [19]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	The Contact header in	the sent INVITE			
Test Purpose	When the IBCF receive	When the IBCF receives in INVITE request from the other network, ensure that an INVITE			
	is sent to the own netw	ork and the Contact header	containes the URI of the IBCF.		
SIP Parameter values	INVITE:				
	Contact: <[L	JRI of IBCF]>			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	÷			
		Apply post test routine			

TP number	IBCF_210_055	Reference	5.10.5 [1]			
TSS reference	Entry_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/6 AND PICS 7.2.4/3				
Test Purpose name	An IPv6 Address in the	e Contact header in the sent	INVITE			
Test Purpose	INVITE is sent to the o	When the IBCF receives in INVITE request from the other IPv4 network, ensure that an INVITE is sent to the own IPv6 network and when the Contact header containes an IP address it is an IPv6 address identitfying the IBCF.				
SIP Parameter values	INVITE 2: Contact: <[5555::aaa:bbb:ccc:ddd]>				
Comments	The IPv6 address is a	n examble not a real value				
Message flows	Mx	SUT	lc			
_	INVITE 2	← Apply post test r	INVITE 1			
		Apply post lest i	outine			

	Apply post test routine				
_	INVITE 2	←	← INVITE 1		
Message flows	Mx	SUT	lc		
Comments	The IPv4 address is a	in examble not a real value			
	Contact: <	aaa.bbb.ccc.ddd]>			
SIP Parameter values	INVITE 2:				
	address it is an IPv4 a	address identitfying the IBCF.			
	INVITE is sent to the	INVITE is sent to the own IPv4 network and when the Contact header containes an IP			
Test Purpose		When the IBCF receives in INVITE request from the other IPv6 network, ensure that an			
Test Purpose name	An IPv4 Address in th	e Contact header in the sent	INVITE		
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/4 AND PICS 7.2.4/5			
TSS reference	Entry_Point/alg/sip				
TP number	IBCF_210_056	Reference	5.10.5 [1]		

TP number	IBCF_210_057 Reference 5.10.5 [1]			
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Network address translation in the Contact header in the sent INVITE			
Test Purpose	When the IBCF receives in INVITE request from the other network, ensure that an INVITE is sent to the own network and when the Contact header contains an IP address not equal to the address received from the other network.			
SIP Parameter values	INVITE 2:			
	Contact: <[aaa.bbb.ccc.ddd]>			
Comments	The IPv4 address is an examble not a real value			
Message flows	Mx SUT Ic			
	INVITE 2 🗲 🗲 INVITE 1			
	Apply post test routine			

TP number	IBCF_210_058	Reference	5.10.5 [1],
			19.1.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Unknown uri paramete	er in the Contact header	
Test Purpose		rameters in the SIP-URI of th	est from the other network including e Contact header forwards the
SIP Parameter values	INVITE:		
	Contact: <[a	any URI]>;unknown=nonunde	rstood
Comments			
Message flows	Mx	SUT	lc
_	INVITE	+	← INVITE
		Apply post test r	outine

TP number	IBCF_210_059	Reference	5.10.5 [1],
			19.1.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Header parameter pre	sent in the Contact header	
Test Purpose			est from th other network including a
	header parameter in th	ne SIP-URI of the Contact hea	ader forwards the message to the own
	network.		
SIP Parameter values	INVITE:		
	Contact: <[a	any URI]>;h1=%	
Comments			
Message flows	Mx	SUT	lc
_	INVITE	+	← INVITE
		Apply post test r	outine

TP number	IBCF_210_060	Reference	5.10.5 [1],
			19.1.1 [19]
TSS reference	Entry_Point/alg/sip		· · ·
Selection criteria	PICS 7.1.1/2		
Test Purpose name	method uri parameter	present in the Contact heade	er
Test Purpose		to "INVITE" in the SIP-URI c	estfrom th other network including a of the Contact header forwards the
SIP Parameter values	INVITE:	any URI];method=INVITE>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	← Apply post test i	• INVITE

TP number	IBCF_210_061	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sip		· • • •		
Selection criteria	PICS 7.1.1/2				
Test Purpose name	One Via header is sent	t to the own network			
Test Purpose	request was received f	Ensure that the IBCF sends an INVITE request to the own network when an INVITE request was received from the other network and one Via header entry is present identitfying the IBCF. The received Via header entries are not present.			
SIP Parameter values	INVITE 2: Via: SIP/2.0/[any transport] [URI of IBCF];branch=z9hG4bK				
Comments			-		
Message flows	Mx	SUT	lc		
	INVITE 2	← Apply post test	INVITE 1 routine		

TP number	IBCF_210_062 Reference 5.10.5 [1]			
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/3 AND PICS 7.2.4/6			
Test Purpose name	The Via header URI is a IPv6 address			
Test Purpose	When the IBCF sends an INVITE request to the own IPv6 network and the Via header value identifying the IBCF is an IP address, ensure that the IP address in the Via header is an IPv6 address.			
SIP Parameter values	INVITE 2: Via: SIP/2.0/[any transport] [[5555::aaa:bbb:ccc:ddd]:>port>];branch=[any value]			
Comments	The IP v6 address is an example not a real value			
Message flows	Mx SUT Ic			
	INVITE 2 🗲 🗲 INVITE 1			
	Apply post test routine			

TP number	IBCF_210_063 Reference 5.10.5 [1]
TSS reference	Entry_Point/alg/sip
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4 AND PICS 7.2.4/5
Test Purpose name	The Via header URI is a IP v4 address
Test Purpose	When the IBCF sends an INVITE request to the own IPv4 network and the Via header value identifying the IBCF is an IP address, ensure that the IP address in the Via header is an IPv4 address.
SIP Parameter values	INVITE 2: Via: SIP/2.0/[any transport] [aaa.bbb.ccc.ddd: <port>];branch=[any value]</port>
Comments	The IP v4 address is an example not a real value
Message flows	Mx SUT Ic
_	INVITE 2 🗲 🗲 INVITE 1
	Apply post test routine

TP number	IBCF_210_064	Reference	5.10.5 [1]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Network address tran	slation in the Via header in th	e sent INVITE	
Test Purpose	When the IBCF sends an INVITE request to the own network and the Via header value identifying the IBCF is an IP address, ensure that the IP address in the Via header is not equal to the IP address received from the other network.			
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc	
	INVITE 2	+	INVITE 1	
		Apply post test	routine	

TP number	IBCF_210_065	Reference	5.10.5 [1],
			7.3.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Via header branch para	ameter with upper and lower	cases
Test Purpose			est from the other network including a
	branch parameter named with upper and lower cases in Via header forwards the message		
	to the own network.		-
SIP Parameter values	INVITE:		
	Via: SIP/2.0	/[any transport] [any URI];Br/	AnCH=z9hG4bK
Comments			
Message flows	Mx	SUT	lc
_	INVITE	+	
		Apply post test r	outine

TP number	IBCF_210_066	Reference	5.10.5 [1], 7.2 [19]	
TSS reference	Entry_Point/alg/sip		[7.2 [19]	
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Successful final respor	nse with non-defined respons	se code received	
Test Purpose	Ensure that the IBCF after having forwarded an INVITE request from the other network, on receipt of a Success (299 OK) response with non-defined last two digits forwards the message to the own network.			
SIP Parameter values	299 OK CSeq: [any	value] INVITE		
Comments				
Message flows	Mx INVITE 180 Ringing 299 OK INVITE	SUT ← → → Apply post test r	Ic ← INVITE → 180 Ringing → 299 OK INVITE	

TP number	IBCF_210_067	Reference	5.10.5 [1],
			7.2 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Successful final respon	nse with unknown reason	phrase received
Test Purpose		200 PERFECT) response v	NVITE request from the other network, on with an unknown reason phrase forwards
SIP Parameter values	200 OK PERFECT:		
Comments			
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
	180 Ringing	→	➔ 180 Ringing
	200 OK	→	→ 200 OK
		Apply post tes	t routine

TP number	IBCF_210_068	Reference	5.10.5 [1],	
			8.1 [19]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	From header field in the	e sent INVITE		
Test Purpose	When the IBCF receives an INVITE request from the other network, an INVITE request is sent to the own network. Ensure that the 'tag' value of the sent From header field is different from the value received from the other network.			
SIP Parameter values	INVITE 2: From: <[any URI]>;tag=[any value]			
Comments				
Message flows	Mx	SUT	lc	
	INVITE 2	← Apply post test ro	INVITE 1 putine	

TP number	IBCF_210_069	Refere	nce	5.10.5 [1],	
				8.1 [19]	
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	To header field in the s	sent INVITE			
Test Purpose				other network, an INVITE requ	
	sent to the own network. Ensure that no 'tag' value is present in the To header field in the				
	INVITE sent to the own	n network.			
SIP Parameter values	INVITE 2:				
	To: <[any U	RI]>			
Comments					
Message flows	Mx		SUT	lc	
	INVITE 2	+		INVITE 1	
		Apply	y post test roi	utine	

TP number	IBCF_210_070	Reference	5.10.5 [1], 8.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	To tag in the sent 180		
Test Purpose SIP Parameter values	response is sent to the		from the own network, a 180 Ringing t the 'tag' value sent to the other network etwork
Comments			
Message flows	Mx INVITE 180 Ringing	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing t routine

TP number	IBCF_210_071	Reference	5.10.5 [1],
			8.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	To tag in the sent 183		
Test Purpose			esponse from the own network, a 183
			work. Ensure that the 'tag' value sent to
	the other network is not e	qual to the value received	from the own network.
SIP Parameter values		•	
Comments			
Message flows	Mx	SUT	lc
	INVITE	÷	← INVITE
	183 Session Progress	→	183 Session Progress
	Ŭ	Apply post test	routine

TP number	IBCF_210_072	Reference	5.10.5 [1],
			7.3.3 [19]
TSS reference	Entry_Point/alg/sip	· · · · · · · · · · · · · · · · · · ·	
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Headers with short na	me included	
Test Purpose	Ensure that the IBCF of	on receipt of an INVITE reque	est from the other network including
	headers set with short	names forwards the message	e to the own network.
SIP Parameter values	INVITE:		
	f: <[any UR	l]>;tag=[any value]	
	t: <[any UR]>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	+	← INVITE
		Apply post test r	outine

TP number	IBCF_210_073	Reference)	5.10.5 [1],
				7.1 [19]
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2			
Test Purpose name	SIP version in request line in lower cases			
Test Purpose	Ensure that the IBC	CF on receipt of an INV	ITE request from	the other network with SIP
	version in lower cas	se forwards the messa	ge to the own net	work.
SIP Parameter values	INVITE: sip: [any URI]sip/2.0			
Comments				
Message flows	Mx		SUT	lc
	INVITE	+	+	INVITE
		Apply p	ost test routine	

TP number	IBCF_210_074	Reference	5.10.5 [1],
			7.3.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	SIP header field name	es in upper and lower cases	
Test Purpose	Ensure that the IBCF	on receipt of an INVITE requ	est from the own network including
	headers named with u	upper and lower cases forwa	rds the message to the other network.
SIP Parameter values	INVITE:		
	frOM: <[any URI]>;tag=[any value]		
	tO: <[any L	JRI]>	
Comments			
Message flows	Mx	SUT	lc
_	INVITE	+	← INVITE
		Apply post test	routine

TP number	IBCF_210_075 Reference 5.10.5 [1]		
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Call-ID in the sent INVITE establishes a new call leg		
Test Purpose	When the IBCF receives an INVITE request from the other network, an INVITE request is ent to the own network. Ensure that the Call-ID value is different from the Call-ID value received from the other network.		
SIP Parameter values	INVITE 2:		
	Call-ID: [any value]		
Comments			
Message flows	Mx SUT Ic		
_	INVITE 2 🗲 🗲 INVITE 1		
	Apply post test routine		

TP number	IBCF_210_076	Reference	5.10.5 [1],
			19.1.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Call-ID in the sent INV	ITE establishes a new call	leg
Test Purpose		k. Ensure that the Call-ID v	the own network, an INVITE request is value is different from the Call-ID value
SIP Parameter values	INVITE 2: Call-ID: [any	y value]	
Comments		· · · · · · · · · · · · · · · · · · ·	
Message flows	Mx INVITE 2	SUT	IC INVITE 2
		Apply post test	routine

TP number	IBCF_210_077	Reference	5.10.5 [1],
			21.4.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	INVITE request without	Call-ID header not supported	ł
Test Purpose	Ensure that the IUT, on receipt of an INVITE request from the other network		
	header sends a Bad Re	equest (400 Bad Request) res	sponse.
SIP Parameter values	INVITE:		
	Call-ID head	er not present	
Comments			
Message flows	Mx	SUT	lc
_			
			→ 400 Bad Request
			← ACK

TP number	IBCF_210_078	Reference	5.10.5 [1],
			21.4.1 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/2	
Test Purpose name	INVITE request with s	everal CRLF before start-lin	e supported
Test Purpose			st from the other network over a F before the start-line, forwards the
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
_	INVITE	←	
		Apply post test	routine

TP number	IBCF_210_079	Reference	5.10.5 [1],
			16.6 [19]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	The Record-Route he	eader in the sent INVITE	
Test Purpose	request is sent to the o		e other network ensure that an INVITE -Route header entry is present pute set is not present.
SIP Parameter values	INVITE 2:		
	Record-Rou	ute: <sip:[uri ibcf];ir="" of=""></sip:[uri>	
Comments			
Message flows	Mx	SUT	lc
	INVITE 2	+	← INVITE 1
		Apply post test r	outine

TP number	IBCF_210_080	Reference	5.10.5 [1]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/4 AND PICS 7.2.4/6	
Test Purpose name	IPv6 address in the R	ecord-Route header in the se	ent INVITE
Test Purpose	When the IBCF receives an INVITE request from the other IPv4 network ensure that an INVITE request is sent to the own IPv6 network and when the Record-Route header contains an IP address identifying the IBCF it is an IP v6 address.		
SIP Parameter values	INVITE 2: Record-Route: <sip:[5555::aaa:bbb:ccc:ddd];ir></sip:[5555::aaa:bbb:ccc:ddd];ir>		
Comments		• •	
Message flows	Mx	SUT	lc
	INVITE 2	← Apply post test r	INVITE 1 outine

TP number	IBCF_210_081	Reference	5.10.5 [1]]	
TSS reference	Entry_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PI	CS 7.2.4/4 AND PICS 7.2.4/5	6	
Test Purpose name	IPv4 address in the R	Record-Route header in the s	ent INVITE	
Test Purpose	INVITE request is ser	When the IBCF receives an INVITE request from the other IPv6 network ensure that an INVITE request is sent to the own IPv4 network and when the Record-Route header contains an IP address identityinf the IBCF it is an IP v4 address.		
SIP Parameter values	INVITE 2: Record-Route: <sip:[aaa.bbb.ccc.ddd];ir></sip:[aaa.bbb.ccc.ddd];ir>			
Comments		·		
Message flows	Mx	SUT	lc	
	INVITE 2	← Apply post test	INVITE 1 routine	

TP number	IBCF_210_082	Reference	55.10.5 [1]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	GRUU received in Contact hea	ader GRUU is snet	
Test Purpose		ent URI (GRUU), it shall repla	ntains a contact address which ice the contact address with an
SIP Parameter values	INVITE Contact header GRUU 200 OK: Contact header GRUU		
Comments			
Message flows	Mx INVITE ← 180 Ringing → 200 OK INVITE →	→ →	Ic INVITE 180 Ringing 200 OK INVITE

TP number	IBCF 210 083	Reference	5.10.5 [1]			
TSS reference	Entry Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	No GRUU received in C	Contact header no GRUU is	s snet			
Test Purpose	is not a Globally Routab	When an IBCF processes a SIP request or response that contains a contact address which is not a Globally Routable User agent URI (GRUU), it shall replace the contact address with an address which is not a GRUU.				
SIP Parameter values	INVITE: Contact header no GRUU 200 OK: Contact header no GRUU					
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE routine			

TP number	IBCF 211 001	R	eference		5.10.5 [1]	
TSS reference	Entry Point/alg				0.10.0[1]	
		rsup				
Selection criteria	PICS 7.1.1/2					
Test Purpose name			e o line of the INVI			
Test Purpose	When the IBCF	receives an INVIT	E request from the	e other ne	etwork and t	he 'o' line contains
-			eator in the other n			
			e SDP contains an			
		BCF of the own n		••		
SIP Parameter values	INVITE 1:	Bor or the own in	otwork.			
on rarameter values						
	SDP					
	0	=[any value] [any	value] [any value]	IN IP4 [IP	address ov	vner (PIXII)]
		or				
	0	=[any value] [any]	value] [any value]	IN IP6 [IP	oddress ov	vner (PIXIT)]
	INVITE 2:					
	SDP					
	-	=[any value] [any	value] [any value]		address IR	CFI
	0	or				01]
		•••			addroce IR	CEI
0	0	=[any value] [any	value] [any value]	ווא ורט נור	audress in	UFJ
Comments						
Message flows	Mx		SUT			lc
	INVITE 2	+		+	INVITE 2	
			Apply post test re	outine		

6.2.5.2 Treatment of session and media description

TP number	IBCF_211_002	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	4 AND PICS 7.2.4/6			
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the o line of the INVIT	E		
Test Purpose	When the IBCF receives an INVITE request from the other network and the 'o' line contains the IP address from the owner/creator in the other network and is an IPv4 address, ensure that an INVITE request is sent to the own network and the SDP contains an 'o' line the IP address is set to the IPv6 address of the IBCF of the own network.				
SIP Parameter values	INVITE 1: SDP o=[any value] [ar	ny value] [any value] IN IP4 [IF	P address owner (PIXIT)]		
	SDP o=[any value] [any value] [any value] IN IP6 [IP address IBCF]				
Comments					
Message flows	Mx	SUT	lc		
	INVITE 2	· · · · · · · · · · · · · · · · · · ·	INVITE 1		
		Apply post test routine			

TP number	IBCF_211_003	Reference	5.10.5 [1]			
TSS reference	Entry_Point/alg/sdp					
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.4/4 AND PICS 7.2.4/5				
Test Purpose name	IPv4 to IPv6 IP version	interworking in the o line of	the INVITE			
Test Purpose	the IP address from the that an INVITE request	When the IBCF receives an INVITE request from the other network and the 'o' line contains the IP address from the owner/creator in the other network and is an IPv6 address, ensure that an INVITE request is sent to the own network and the SDP contains an 'o' line the IP address is set to the IPv4 address of the IBCF of the own network.				
SIP Parameter values	INVITE 2: SDP	alue] [any value] [any value alue] [any value] [any value] IN IP6 [IP address owner (PIXIT)]			
Comments						
Message flows	Mx INVITE 2	SUT ←	IC ← INVITE 1			
		Apply post test				

TP number	IBCF 211 004	Reference	5.10.5 [1]			
TSS reference	Entry Point/alg/sdp					
Selection criteria	PICS 7.1.1/2					
		slation in the o line of the 200				
Test Purpose name						
Test Purpose			se from the own network and the 'o' line			
			the own network, ensure that a 200 OK			
	INVITE response is se	ent to its other network and the	ne SDP contains an 'o' line the IP			
	address is set to the IF	P address of the IBCF of the	own network.			
SIP Parameter values	200 OK 1:					
	SDP					
	o=[anv	value] [anv value] [anv value] IN IP4 [IP address owner (PIXIT)]			
	or					
	o=[any	value] [any value] [any value] IN IP6 [IP address owner (PIXIT)]			
	L J					
	200 OK 2:					
	SDP					
	o=[any value] [any value] [any value] IN IP4 [IP address IBCF]					
	or	11 9 11 9				
	o=[any	value] [any value] [any value] IN IP6 [IP address IBCF]			
Comments						
Message flows	Mx	SUT	lc			
-	INVITE	+				
	180 Ringing	→	→ 180 Ringing			
	200 OK INVITE 1	→	→ 200 OK INVITE 2			
		Apply post test routine				

TP number	IBCF_211_005	Reference	5.10.5 [1]			
TSS reference	Entry_Point/alg/sdp	·				
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/4 AND PICS 7.2.4/5	5			
Test Purpose name	IPv4 to IPv6 IP version	n interworking in the o line of	the 200 OK INVITE			
Test Purpose	contains the IP addres ensure that a 200 OK	When the IBCF receives a 200 OK INVITE response from the own network and the 'o' line contains the IP address from the owner/creator in the own network and is an IPv4 address, ensure that a 200 OK INVITE response is sent to the other network and the SDP contains an 'o' line the IP address is set to the IPv6 address of the IBCF of the own network.				
SIP Parameter values	200 OK 1: SDP o=[any					
	200 OK 2:	200 OK 2:				
	SDP					
Comments	o=[any	value] [any value] [any value	J IN IP6 [IP address IBCF]			
Message flows	Mx	SUT	lc			
	INVITE 180 Ringing 200 OK INVITE 1	← → → Apply post test	 ← INVITE → 180 Ringing → 200 OK INVITE 2 routine 			

TP number	IBCF 211 006	Reference	5.10.5 [1]			
TSS reference	Entry Point/alg/sdp	Reference				
Selection criteria		CS 7.2.4/4 AND PICS 7.2.4/0	3			
Test Purpose name	IPv4 to IPv6 IP versio	n interworking in the o line o	f the 200 OK INVITE			
Test Purpose			se from the own network and the 'o' line			
	contains the IP addres	ss from the owner/creator in	the own network and is an IPv6 address,			
	ensure that a 200 OK	INVITE response is sent to	the other network and the SDP contains			
	an 'o' line the IP addre	ess is set to the IPv4 addres	s of the IBCF of the own network.			
SIP Parameter values	200 OK 1:					
	SDP					
	o=[any	value] [any value] [any value	e] IN IP6 [IP address owner (PIXIT)]			
	200 OK 2:	200 0K 2				
	SDP					
	-	o=[any value] [any value] [any value] IN IP4 [IP address IBCF]				
Comments	0-[any					
Message flows	Мх	SUT	lc			
_	INVITE	+				
	180 Ringing	→	→ 180 Ringing			
	200 OK INVITE 1	→	→ 200 OK INVITE 2			
		Apply post test routine				

IBCF 211 007	Reference	5.10.5 [1]			
PICS 7.1.1/2					
Network address translation in	n the c line of the INVITE				
the IP address from the data or request is sent to the own net	When the IBCF receives an INVITE request from the other network and the 'c' line contains the IP address from the data connection in the other network, ensure that an INVITE request is sent to the own network and the SDP contains a 'c' line the IP address is set to				
or	SDP c=IN IP4 [data connection address (PIXIT)] or				
or					
•	•				
Mx INVITE 2		IC INVITE 1			
	Network address translation ir When the IBCF receives an IN the IP address from the data or request is sent to the own net the IP address of the TrGW of INVITE 1: SDP c=IN IP4 [data or or c=IN IP6 [data or or c=IN IP4 [IP address Mx	PICS 7.1.1/2 Network address translation in the c line of the INVITE When the IBCF receives an INVITE request from the other networ request is sent to the own network and the SDP contains a the IP address of the TrGW of the own network. INVITE 1: SDP c=IN IP4 [data connection address (PIXIT)] or c=IN IP6 [data connection address (PIXIT)] INVITE 2: SDP c=IN IP4 [IP address TrGW or c=IN IP6 [IP address TrGW]			

TP number	IBCF 211 008	Reference	5.10.5 [1]			
TSS reference	Entry_Point/alg/sdp					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	4/4 AND PICS 7.2.4/6				
Test Purpose name	IPv4 to IPv6 IP version interv	vorking in the c line of the INV	ITE			
Test Purpose	the IP address from the data ensure that an INVITE reque	When the IBCF receives an INVITE request from the other network and the 'c' line contains the IP address from the data connection in the other network and is an IPv4 address, ensure that an INVITE request is sent to the own network and the SDP contains a 'c' line the IP address is set to the IPv6 address of the TrGW of the own network.				
SIP Parameter values	INVITE 1: SDP c=IN IP4 [data					
	INVITE 2: SDP c=IN IP6 [IP ad	ddress TrGW				
Comments						
Message flows	Mx INVITE 2	SUT Apply post test routine	Ic INVITE 1			

TP number	IBCF 211 009	Reference	5.10.5 [1]			
TSS reference	Entry Point/alg/sdp		0.10.0 [1]			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4	/4 AND PICS 7.2.4/5				
Test Purpose name	IPv4 to IPv6 IP version interwe	orking in the c line of the INVIT	E			
Test Purpose	the IP address from the data of ensure that an INVITE reques	When the IBCF receives an INVITE request from its other network and the 'c' line contains the IP address from the data connection in the other network and is an IPv6 address, ensure that an INVITE request is sent to the own network and the SDP contains a 'c' line the IP address is set to the IPv4 address of the TrGW of the own network.				
SIP Parameter values	INVITE 1: SDP c=IN IP6 [data of					
	INVITE 2: SDP c=IN IP4 [IP add	dress TrGW				
Comments						
Message flows	Mx	SUT	lc			
	INVITE 2	- ← Apply post test routine	INVITE 1			

TD month an		Defenses	E 40 E [4]		
TP number	IBCF_211_010	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Network address translation in	the c line of the 200 OK INVI	ГЕ		
Test Purpose	When the IBCF receives a 200	OK INVITE response from th	e own network and the 'c' line		
	contains the IP address from th	e data connection in the own	network, ensure that a 200		
	OK INVITE response is sent to	its other network and the SD	P contains a 'c' line the IP		
	address is set to the IP address	s of the TrGW of the own netw	vork.		
SIP Parameter values	200 OK 1:				
	SDP				
	c=IN IP4 [data co	onnection address (PIXIT)]			
	or				
	c=IN IP6 [data co	onnection address (PIXIT)]			
	-				
	200 OK 2:				
	SDP				
	c=IN IP4 [IP address TrGW				
	or				
	c=IN IP6 [IP add	ress TrGW]			
Comments					
Message flows	Mx	SUT	lc		
	INVITE 🗲	+	INVITE		
	180 Ringing →	→	180 Ringing		
	200 OK INVITE 1 ->	→	200 OK INVITE 2		
		Apply post test routine			

TP number	IBCF 211 011	Reference	5.10.5 [1]			
TSS reference	Entry Point/alg/sdp					
Selection criteria	/= 0 1					
		CS 7.2.4/4 AND PICS 7.2.4/5				
Test Purpose name	IPv4 to IPv6 IP version	n interworking in the c line of	the 200 OK INVITE			
Test Purpose	When the IBCF receiv	es a 200 OK INVITE respon	se from the own network and the 'c' line			
	contains the IP addres	ss from the data connection i	n the own network and is an IPv4			
	address, ensure that a	a 200 OK INVITE response is	s sent to the other network and the SDP			
			address of the TrGW of the own			
	network.					
SIP Parameter values	200 OK 1:					
	SDP					
	-	1 Idata connection address (
	C=IN IP	c=IN IP4 [data connection address (PIXIT)]				
		200 OK 2:				
	SDP	SDP				
	c=IN IP	c=IN IP6 [IP address TrGW				
Comments						
Message flows	Mx	SUT	lc			
-	INVITE	÷				
	180 Ringing \rightarrow \rightarrow 180 Ringing200 OK INVITE 1 \rightarrow \rightarrow 200 OK INVITE 2					
		Apply post test routine				

TP number	IBCF 211 012	Reference	5.10.5 [1]	
TSS reference	Entry Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	4 AND PICS 7.2.4/6		
Test Purpose name	IPv4 to IPv6 IP version intervo			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network and the 'c' line contains the IP address from the data connection in the own network and is an IPv6 address, ensure that a 200 OK INVITE response is sent to the other network and the SDP contains a 'c' line the IP address is set to the IPv4 address of the TrGW of the own network.			
SIP Parameter values	200 OK 1: SDP c=IN IP6 [data connection address (PIXIT)] 200 OK 2: SDP			
	c=IN IP4 [IP address TrGW			
Comments				
Message flows	Mx INVITE ← 180 Ringing → 200 OK INVITE 1 →	→	Ic INVITE 180 Ringing 200 OK INVITE 2	
	Apply post test routine			

TP number	IBCF_211_013	Reference	5.10.7 [1]		
TSS reference	Entry_Point/alg/sdp	·	· •		
Selection criteria	PICS 7.1.1/2 AND PIC	S 7.2.5/1 AND PICS 7.2.5/2			
Test Purpose name	The IBCF adds codec	s to the coded list in the offer			
Test Purpose	present, the IBCF sen	When the IBCF receives an INVITE request from the other network and the a SDP is present, the IBCF sends an INVITE request to the own network and the IBCF adds one or more codecs to the selected media at the end of the received codec list.			
SIP Parameter values	INVITE 1: m=audi	INVITE 1: m=audio <port number=""> RTP/AVP 8 0</port>			
	INVITE 2: m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>				
Comments					
Message flows	Mx INVITE 2	SUT ← Apply post test re	IC INVITE 1 putine		

TP number	IBCF 211 014 Reference 5.10.7 [1]				
TSS reference	Entry_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.5/1 AND PICS 7.2.5/2				
Test Purpose name	The IBCF removes previous added codecs from the SDP answer				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network and the				
	received SDP containes the codecs previous added to the SDP in the INVITE request sent				
	to the own network, it removes this codecs from the codec list before sending the 200 OK				
	INVITE to the other network.				
SIP Parameter values	INVITE1:				
	m=audio <port number=""> RTP/AVP 8 0</port>				
	INVITE 2:				
	m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>				
	200 OK 1:				
	m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>				
	200 OK 2:				
	m=audio <port number=""> RTP/AVP 8 0</port>				
Comments					
Message flows	Mx SUT Ic				
	INVITE 2				
	180 Ringing → → 180 Ringing				
	200 OK INVITE 1 \rightarrow \rightarrow 200 OK INVITE 2				
	Apply post test routine				

TP number	IBCF_211_015 Reference 5.10.7 [1]				
TSS reference	Entry_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	No transcoding performed				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network and at least				
	one of the codecs contained in the INVITE sent to the own network is present in the				
	response from the own network, no transcoding is performed by the IBCF. The received				
	codec is contained in the 200 OK INVITE response sent to its other network.				
SIP Parameter values	INVITE 1:				
	m=audio <port number=""> RTP/AVP 8 0</port>				
	INVITE 2:				
	m=audio <port number=""> RTP/AVP 8 0</port>				
	200 OK 1:				
	m=audio <port number=""> RTP/AVP 0</port>				
	200 OK 2:				
	m=audio <port number=""> RTP/AVP 0</port>				
Comments					
Message flows	Mx SUT Ic				
	INVITE 2 🗲 🗲 INVITE 1				
	180 Ringing → → 180 Ringing				
	200 OK INVITE 1 → 200 OK INVITE 2				
	Apply post test routine				

TP number	IBCF_211_016	Reference	5.10.7 [1]			
TSS reference	Entry_Point/alg/sdp					
Selection criteria	PICS 7.1.1/2 AND PICS	PICS 7.1.1/2 AND PICS 7.2.5/1 AND PICS 7.2.5/2				
Test Purpose name	Transcoding performed	I in the IBCF				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the own network and the SDP answer does not contain a codec belonging to the offer received in the INVITE from the other network, the IBCF performs transcoding. A 200 OK INVITE is sent to the other network and one of the codecs in the codec list received in the offer from the other network is present in the SDP answer and the m line is not set to a non-zero port value.					
SIP Parameter values	INVITE 1: m=audio					
	INVITE 2: m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>					
	200 OK 1: m=audio <port number=""> RTP/AVP <codec1></codec1></port>					
	200 OK 2: m=audio <port number=""> RTP/AVP 8 or m=audio <port number=""> RTP/AVP 0</port></port>					
Comments						
Message flows	Mx	SUT	lc			
	INVITE 2 180 Ringing 200 OK INVITE 1	← → → Apply post test	 ← INVITE 1 → 180 Ringing → 200 OK INVITE 2 routine 			

TP number	IBCF 211 017	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sdp	Entry Point/alg/sdp			
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Passing of more then	one m lines			
Test Purpose	more then one m lines	When the IBCF receives an INVITE request from the other network and the SDP contains more then one m lines, an INVITE request is sent to the own network and all received m lines are present in the SDP.			
SIP Parameter values	INVITE 1: m=audio <port number=""> RTP/AVP 8 0 m=video 3400 RTP/AVP 98 a=rtpmap:98 H263 INVITE 2: m=audio <port number=""> RTP/AVP 8 0</port></port>				
	m=video 3400 RTP/AVP 98 a=rtpmap:98 H263				
Comments		·			
Message flows	Mx	SUT	lc		
	INVITE 2	+	INVITE 1		
	Apply post test routine				

TP number	IBCF_211_01	8	Reference		5.10.5 [1]
TSS reference	Entry_Point/a	lg/sdp			· · · ·
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Passing of request of recource reservation				
Test Purpose	When the IBCF receives an INVITE request from the other network and preconditions are requested, all requests and responses belonging to the precondition procedure are passed and the relevant SDP content is passed unchanged.				
SIP Parameter values			Inone		
	183: Require: SDP	a=curr:qos loca a=curr:qos remo a=des:qos man	ote none datory local sendr datory remote sen		
	UPDATE: SDP				
	200 OK UPDATE SDP a=curr:qos local sendrecv a=curr:qos remote sendrecv a=des:qos mandatory local sendrecv a=des:qos mandatory remote sendrecv				
Comments					-
Message flows	M INVITE 183 Session F PRACK 200 OK PRAC UPDATE 200 OK UPD/	Progress	→	← → ← → ← → st routine	Ic INVITE 183 Session Progress PRACK 200 OK PRACK UPDATE 200 OK UPDATE

ETSI TS 124 447: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; NGN IMS Supplementary Services; Advice Of Charge (AOC) (3GPP TS 24.447 Release 8)".

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ETSI TS 129 658: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; TISPAN; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification (3GPP TS 29.658 Release 8)".

History

Document history			
V3.1.1	August 2011	Publication	

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