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

Reference

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Foreword

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

The present document is part 2 of a multi-part deliverable covering the 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)".

Modal verbs terminology

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

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

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.

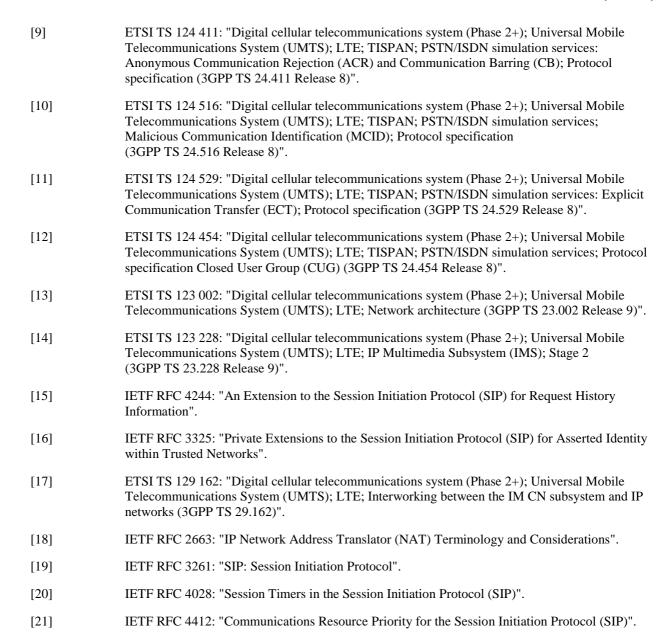
NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

2.1 Normative references

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

[1]	ETSI TS 124 229: "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: "Core Network and Interoperability Testing (INT); Testing of the IBCF requirements; (3GPP Release 9); Part 1: Protocol Implementation Conformance Statement (PICS)".
- [4] ETSI TS 124 407: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; 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); LTE; 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); LTE; 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); LTE; 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); LTE; TISPAN; NGN Signalling Control Protocol; Communication HOLD (HOLD) PSTN/ISDN simulation services; Protocol specification (3GPP TS 24.410 Release 8)".



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	IBCF_101	IBCF_101_xxx					
	bcall	IBCF_102	IBCF_102_xxx					
	scr	bcall	bcall IBCF_103_xxx					
		ss	oip-oir	IBCF_104_xxx				
			ss/tip-tir	IBCF_105_xxx				
			cdiv	IBCF_106_xxx				
			other	IBCF_107_xxx				
	nch	reg	IBCF_108	_XXX				
		bcall	IBCF_109	_XXX				
	alg	sip	sip IBCF_110_xxx					
		sdp						

Entry_Point					
	reg	IBCF_201_xxx			
	bcall	IBCF_202_xxx	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).

Table 5.1.1-1: TP identifier naming convention scheme

Identifier: IBCF_4	Identifier: IBCF_ <group>_<nnn></nnn></group>							
<group> =</group>	group	3 digit field representing gr	oup reference according to TSS					
<nnn> =</nnn>	TP number	3 digit sequential number	(001-999)					

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	Exit_Point/reg						
Selection criteria	PICS 7.2.1/1							
Test Purpose name	WWW-Authenticate header is	passed unchanged						
Test Purpose	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	· (Ic REGISTER 401 Unauthorized 1					
		Apply post test routine						

TP number	IBCF_101_002	R	eference	5.10.2.1 3) [1]		
TSS reference	Exit_Point/reg					
Selection criteria	PICS 7.2.1/1 AN	D PICS 7.1.1/2				
Test Purpose name	The Authorization	n header is pass	ed unchanged			
Test Purpose	When an IBCF receives a REGISTER request from the visited network it shall forward this request to the other home network. The Authorization header remains unchanged in the forwarded SIP request.					
SIP Parameter values	REGISTER 1: Authorization Path Require: path P-Charging-Vector: icid; orig-ioi					
	REGISTER 2: Authorization Path Require: path P-Charging-Vector: icid; orig-ioi					
Comments						
Message flows	MX REGISTER 1 200 OK REGISTER		SUT Apply post test rou	lc → REGISTER 2 ← 200 OK REGISTER		

TP number	IBCF_101_003	3	Reference		5.10.2.1 3) [1]	
TSS reference	Exit_Point/reg					
Selection criteria	PICS 7.2.1/1 A	ND PICS 7.1.1/2				
Test Purpose name	The P-Associa	ted-URI, Path, Se	ervice-Route and I	P-Chargir	ng-Vector headers are passed	
Test Purpose	When an IBCF receives a 200 OK REGISTER request from the other (home) network it shall forward this request to the own (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-URI Path Service-Route P-Charging-Vector: term-ioi Contact 200 OK 2: P-Associated-URI					
		Path Service-Route P-Charging-Vecto Contact	or: term-ioi			
Comments	-					
Message flows	REGISTER 1 200 OK REGIST	→	SUT	→	Ic REGISTER 2 200 OK REGISTER	
			Apply post test	routine		

TP number	IBCF_101_004		Reference		5.10.2.1 3) [1]	
TSS reference	Exit_Point/reg					
Selection criteria	PICS 7.2.1/1					
Test Purpose name	The Event and E	xpires header	are passed uncha	nged		
Test Purpose	When an IBCF re	ceives a SUB	SCRIBE request for	om the vis	sited network it shall forward	
	this request to the	e other home i	network. The Even	t header a	and the Expires header remain	
	unchanged in the	request.				
SIP Parameter values	SUBSCRIBE 1:					
		P-Charging-V	ector: icid			
		Expires: 600	000			
	SUBSCRIBE 2:	Event: rea				
		P-Charging-V	ector: icid			
		Expires: 600				
Comments						
Message flows	Mx		SUT		lc	
	The registration procedure was successful					
	SUBSCRIBE 1 → SUBSCRIBE 2				SUBSCRIBE 2	
	200 OK SUBSCRIBE ← 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 passed unchanged							
Test Purpose	When an IBCF receives a NOTIFY request from the visited network it shall forward this request to the other home network. The Event header and the XML body remain unchanged in the request.							
SIP Parameter values	NOTIFY 1: Event: reg Content-Type: application/reginfo+xml							
	<pre><?xml version="1.0"?> <reginfo state="partial" version="1" xmlns="urn:ietf:params:xml:ns:reginfo"></reginfo></pre>							
	NOTIFY 2: Event: reg							
Comments								
Message flows	Mx SUT Ic							
message nows	The registration procedure was successful NOTIFY 1 → NOTIFY 2 200 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 7.2.1/	4					
Test Purpose name	The IBCF selects an alternativ	e entry point to t	the other networ	k if a 3xx was received			
Test Purpose	When an IBCF receives a SIP 3xx (Redirection) response from another (home) network entry point to a previously forwarded SIP REGISTER request, it shall resend the Register request to another entry point to which it has not previously forwarded the same request.						
SIP Parameter values							
Comments	IUT configured with two entry	points to home n	etwork				
Message flows	Mx REGISTER →	SUT → RI ← 3x	Ic 1 EGISTER (X	lc 2			
	200 OK REGISTER ←	Apply post t	est routine	→ REGISTER ← 200 OK REGISTER			

TP number	IBCF_101_007	R	eference	5.10.2.1 3) [1]	
TSS reference	Exit_Point/reg				
Selection criteria	PICS 7.2.1/1 AND PIC	S 7.2.1/4			
Test Purpose name	The IBCF selects an al	ternative e	ntry point to the othe	er network if a 480 was received	
Test Purpose	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 poir	nts to home network		
Message flows	Mx REGISTER	SUT	REGISTER ← 480 Temporarily Unavailable		
	200 OK REGISTER	←	Apply post test rou	→ REGISTER ← 200 OK REGISTER utine	

TP number	IBCF_101_008		Reference		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	an alternative	entry point to	the other netv	vork if no response was
Test Purpose		GISTER requ	est, it shall fo	rward the Regi	entry point to a previously ster request to another home the same request.
SIP Parameter values			•		·
Comments	IUT configured with	n two entry p	oints to home	network	
Message flows	Mx REGISTER	→	UT →	Ic 1 REGISTER	lc 2
	200 OK REGISTER	No res	sponse 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 req	uest was received		
Test Purpose	If an IBCF receives a SIP 3xx (Redirection) response to a SIP REGISTER request from all entry points in the registering user s home network, it shall send a SIP 504 (Server Time-Out) response to the P-CSCF.				
SIP Parameter values					
Comments	IUT configured with one er	ntry points to home netwo	ork		
Message flows	Mx REGISTER	SUT	lc → register		
	504 Server Time-Out	←	← 3xx		
	504 Server Time-Out	Apply post test r	outine		

TP number	IBCF 101 010	Reference	5.10.2.1 3) [1]			
		Reference	J. 10.2.1 J/ [1]			
TSS reference	Exit_Point/reg					
Selection criteria	PICS 7.2.1/1					
Test Purpose name	The IBCF sends a 504 if a	480 to a REGISTER reque	est was received			
Test Purpose	If an IBCF receives a SIP 4	180 (Temporarily Unavailal	ole) response to a SIP REGISTER			
-	request from all entry point	request from all entry points in the registering user s home network, it shall send a SIP 504				
	(Server Time-Out) respons		,			
SIP Parameter values						
Comments	IUT configured with one en	try points to home network	(
Message flows	Mx	SUT	Ic			
	REGISTER	→	→ REGISTER			
			← 480 Temporarily			
			Unavailable			
	504 Server Time-Out	-				
		Apply post test ro	utine			

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 response to a REGISTE	ER request was received
Test Purpose		•	R request from all entry points in the 504 Server Time-Out response to the
SIP Parameter values			
Comments	IUT configured with one	entry points to home netwo	ork
Message flows	Mx REGISTER	SUT	lc → register
	504 Server Time-Out	No response Apply post test re	outine

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 w	ith a 100 Trying after an INV	ITE was received
Test Purpose	When the IBCF receive	ves an INVITE request, the S	SUT responds with a 100 Trying
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	←	
		Apply post test	routine

TP number	IBCF_102_002	Reference	е	5.10.2.2 2B) [1]
TSS reference	Exit_Point/bcall			
Selection criteria	PICS 7.2.2/23			
Test Purpose name	The IBCF performs the	Record-Route pro	ocedure	
Test Purpose	When the IBCF sends value is added to the re			rk a Record-Route header field
SIP Parameter values				
Comments				
Message flows	Mx		SUT	lc
	INVITE	→	→	INVITE
	100 Trying	←		
		Apply p	ost test routine	

TP number	IBCF_102_003	Reference	5.10.2.2 7) [1]
TSS reference	Exit_Point/bcall	·	·
Selection criteria	PICS 7.2.2/1		
Test Purpose name	The P-Charging-Vector	or header is supported uncha	nged
Test Purpose	When the IBCF sends present as received from		ner network, the P-Charging-Vector
SIP Parameter values		-Vector: icid-value; orig-ioi	
Comments			
Message flows	Mx	SUT	lc
	INVITE 1 100 Trying	→	→ INVITE 2
	100 Trying	Apply post test r	outine

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-C	Charging-Vector are not prese	ent
Test Purpose	When the IBCF sends a P-Charging-Vector are		er network, some values of the
SIP Parameter values		Vector: icid-value; orig-ioi Vector header some values n	not present
Comments			•
Message flows	Mx	SUT	Ic
	INVITE 1	→	→ INVITE 2
	100 Trying	←	
		Apply post test ro	outine

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-Vecto	r is not present	
Test Purpose	When the IBCF sends	an INVITE request to the oth	er network, the P-Charging-Vector is
	not present.		
SIP Parameter values	INVITE 1: P-Charging-	-Vector: icid-value; orig-ioi	
	INVITE 2:		
Comments			
Message flows	Mx	SUT	Ic
	INVITE 1	→	→ INVITE 2
	100 Trying	←	
		Apply post test re	outine

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	present		
Test Purpose	When the IBCF sends an INVITE request to the other network, the P-Charging-Function-Addresses header is not present.				
SIP Parameter values	INVITE 2: P-Charging	g-Function-Addresses he	ader is not pr	esent	
Comments					
Message flows	Mx	SUT	Ī	Ic	
	INVITE 1	→	→	INVITE 2	
	100 Trying	←			
		Apply post t	est routine		

		RFC 4028 [20]
Exit_Point/bcall		
PICS 7.2.1/5		
Periodic refreshment i	s supported	
INVITE 2 Session-Expire	es: <configured value=""></configured>	
·		
Mx	SUT	lc
INVITE 1 100 Trying	→ ← Apply post to	→ INVITE 2
	PICS 7.2.1/5 Periodic refreshment i When the IBCF receiv refreshment of the ses other networks. INVITE 2 Session-Expire Mx INVITE 1	PICS 7.2.1/5 Periodic refreshment is supported When the IBCF receives an INVITE request and refreshment of the session it shall add a Session other networks. INVITE 2 Session-Expires: <configured value=""> Mx SUT INVITE 1</configured>

TP number	IBCF 102 008	Reference	4.4.6 [1], [21]	
TSS reference	Exit Point/bcall			
Selection criteria	PICS 5.2.2/24 AND PI	CS 5.2.2/25 NOT PICS 7.2	2.1/2	
Test Purpose name	A Resource-Priority he	eader field is passed to a tr	usted network option tag in Require	
-	header			
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a			
			s the Resource-Priority header field	
	header fields in the SII	Prequests if the other netw	ork is trusted or the request is rejected	
	with a 420 response if	not supported .		
SIP Parameter values	INVITE 1: Require: res	source-priority		
	Resource-P	riority: q735.0		
	INVITE 2: Require: res			
	Resource-P	riority: q735.0		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→		
	100 Trying	←		
	CASE A			
			→ INVITE	
	CASE B			
	420 Bad Extension	←		
	ACK	→		
		Apply post tes	t routine	

TP number	IBCF_102_008A	Reference	4.4.6 [1] , [21]	
TSS reference	Exit_Point/bcall			
Selection criteria	PICS 5.2.2/24 AND NOT PICS	7.2.1/2		
Test Purpose name	A Resource-Priority header field	d is passed to a trusted netwo	rk option tag in Supported	
	header			
Test Purpose	When an IBCF receives an initi			
	Resource-Priority header field i			
	header fields in the SIP reques	ts if the other network is truste	d.	
SIP Parameter values	INVITE 1: Supported: resource-priority			
	Resource-Priority: q735.0			
	1. 1			
	INVITE 2: Supported: resource-priority			
	Resource-Priority: q735.0			
Comments				
Message flows	Mx SUT Ic			
	INVITE → INVITE			
	100 Trying ←			
	Apply post test routine			

TP number	IBCF_102_009	Reference	4.4.6 [1], [21]		
TSS reference	Exit_Point/bcall				
Selection criteria	PICS 7.2.1/2				
Test Purpose name	A Resource-Priority h	eader field is removed from t	he INVITE		
Test Purpose	Resource-Priority hea	When an IBCF receives an initial SIP INVITE request from within its own network and a Resource-Priority header field is present, it removes the Resource-Priority header field header fields from the SIP requests if the other network is untrusted.			
SIP Parameter values	INVITE 1: Require: re Resource-l	esource-priority Priority: q735.0			
Comments					
Message flows	Mx	Mx SUT Ic			
	INVITE 100 Trying	→ ← Apply post test	→ INVITE routine		

TP number	IBCF_102_010	Reference	4.4.7 [1]		
TSS reference	Exit_Point/bcall				
Selection criteria					
Test Purpose name	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: Reason: Q.850;cause=Response_cause SIP_response 2: Reason: Q.850;cause=Response_cause				
Comments	·				
Message flows	Mx SUT Ic				
	INVITE -	→	INVITE		
	VA_response 2	·	SIP_response 1		
	ACK =	→	ACK		

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

VA_01 VA_02 VA_03	Status code Reason header 404 Not Found Reason: Q.850; cause=1 (unallocated (unassigned) number) 500 Server Internal error
VA_02	404 Not Found Reason: Q.850; cause=1 (unallocated (unassigned) number)
VA_02	Reason: Q.850; cause=1 (unallocated (unassigned) number)
_	
_	000 GOLVOL IIIGITIGI
VA_03	Reason: Q.850; cause=2 (no route to network)
	500 Server Internal error
	Reason: Q.850; cause=3 (no route to destination)
VA_04	500 Server Internal error
1/4 5-	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_00	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
1/4 22	Reason: Q.850; cause=19 (no answer from the user)
VA_09	480 Temporarily unavailable
VA_10	Reason: Q.850; cause=20 (subscriber absent) 603 Decline
VA_10	Reason: Q.850; cause=21 (call rejected)
VA_11	480Temporarily unavailable
_	Reason: Q.850; cause=21 (call rejected)
VA_12	410 Gone
	Reason: Q.850; cause=22 (number changed)
VA_13	433 Anonymity Disallowed
	Reason: Q.850; cause=24 (call rejected due to ACR supplementary
VA_14	service) 483 Too many hops
VA_14	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
\/A 47	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
V/_10	Reason: Q.850; cause=29 (facility rejected)
VA_19	480 Temporarily unavailable
	Reason: Q.850; cause=31 (normal unspecified)
VA_20	486 Busy here
1/4 04	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/	Reason: Q.850; cause=41 (Temporary failure)
VA_23	500 Server Internal error
	Reason: Q.850; cause=50 (requested facility no subscribed)
VA_24	603 Decline
	Reason: Q.850; cause=55 (Incoming class barred within Closed User
VA_25	Group) 403 Forbidden
v._20	Reason: Q.850; cause=57 (bearer capability not authorized)
VA_26	500 Server Internal error
	Reason: Q.850; cause=58 (bearer capability not presently)
VA_27	500 Server Internal error
\/A 00	Reason: Q.850; cause=63 (service option not available, unspecified)
VA_28	500 Server Internal error
VA_29	Reason: Q.850; cause=65 (Bearer capability not implemented) 403 Forbidden
V/\Z-3	Reason: Q.850; cause=87 (User not member of Closed User Group)

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 AND	NOT PICS 7.2.2/4			
Test Purpose name	The P-Profile-Key head	er is forwarded to the truste	d network		
Test Purpose	Key header field is pres	When an IBCF receives an initial SIP INVITE request from 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: identity@hostportion="" public="" service="" wildcarded=""> INVITE 2: P-Profile-Key: <sip: identity@hostportion="" public="" service="" wildcarded=""></sip:></sip:>			
Comments			•		
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test r	lc → INVITE 2 putine		

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	7.2.2/4		
Test Purpose name	The P-Profile-Key header is no	t forwarded to the trusted netw	ork	
Test Purpose	When an IBCF receives an initi			
	Key header field is present, it re	emoves the P-Profile-Key head	der field header fields from the	
	SIP requests if the other netwo	rk is trusted.		
SIP Parameter values	INVITE 1: P-Profile-Key: <sip: identity@hostportion="" public="" service="" wildcarded=""></sip:>			
	INVITE 2:			
Comments				
Message flows	Mx	SUT	Ic	
	INVITE 1 → INVITE 2			
	100 Trying ←			
	Apply post test routine			

TP number	IBCF_102_013	Reference	4.4.8 [1]	
TSS reference	Exit_Point/bcall			
Selection criteria	PICS 7.2.1/2			
Test Purpose name	The P-Profile-Key header is no	ot forwarded to the untrusted no	etwork	
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-Key: <sip:< th=""><th>Wildcarded Public Service Ider</th><th>ntity@Hostportion></th></sip:<>	Wildcarded Public Service Ider	ntity@Hostportion>	
Comments				
Message flows	Mx	SUT	lc	
	INVITE 1 +	•	INVITE 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 header is forwarded to the trusted network		
Test Purpose	When an IBCF receives an initial SIP INVITE request from its own network and a 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-User: <sip:user@example.com>; sescase=orig; regstate=reg INVITE 2: P-Served-User: <sip:user@example.com>; sescase=orig; regstate=reg</sip:user@example.com></sip:user@example.com>		
Comments			
Message flows	Mx SUT Ic INVITE 1 → INVITE 2 100 Trying ← Apply post test routine		

TP number	IBCF_102_015	Reference	4.4.9 [1]			
TSS reference	Exit_Point/bcall	Exit_Point/bcall				
Selection criteria	NOT PICS 7.2.1/2 AND PICS	7.2.2/5				
Test Purpose name	The P-Served-User header is	not forwarded to the trusted ne	etwork			
Test Purpose	When an IBCF receives an in	tial SIP INVITE request from it	s own network and a			
	P-Served-User header field is	present, it removes the P-Serv	ed-User header field header			
	fields from the SIP requests if	fields from the SIP requests if the other network is trusted.				
SIP Parameter values	INVITE 1: P-Served-User: <s< th=""><th colspan="3">INVITE 1: P-Served-User: <sip:user@example.com>; sescase=orig; regstate=reg</sip:user@example.com></th></s<>	INVITE 1: P-Served-User: <sip:user@example.com>; sescase=orig; regstate=reg</sip:user@example.com>				
	INVITE 2:	INVITE 2:				
Comments						
Message flows	Mx	SUT	lc			
	INVITE 1 → INVITE 2					
	100 Trying	100 Trying ←				
	Apply post test routine					

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 header is r	ot forwarded to the untrusted	network	
Test Purpose	When an IBCF receives an initial SIP INVITE request from 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:user@example.com>; sescase=orig; regstate=reg INVITE 2:</sip:user@example.com>			
Comments				
Message flows	Mx	SUT	lc	
	INVITE 1 → 100 Trying ←	→	INVITE 2	
	Apply post test routine			

TP number	IBCF_102_017	Reference	4.4.10 [1]		
TSS reference	Exit_Point/bcall	•			
Selection criteria	NOT PICS 7.2.1/2				
Test Purpose name	A P-Private-Network-Indication	n header field is passed to a tru	usted network		
Test Purpose	P-Private-Network-Indication h	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 leaves the P-Private-Network-Indication header fields in the SIP requests if the other network is trusted.			
SIP Parameter values	INVITE 1: P-Private-Network-Indication: [any URI] INVITE 2: P-Private-Network-Indication: [any URI]				
Comments		• • •			
Message flows	Mx INVITE → 100 Trying ←	-	Ic INVITE		

TP number	IBCF_102_018	Reference	4.4.10 [1]			
TSS reference	Exit_Point/bcall	•				
Selection criteria	PICS 7.2.1/2					
Test Purpose name	A P-Private-Network-Indication	h header field is removed from	the INVITE			
Test Purpose	P-Private-Network-Indication h	When an IBCF receives an initial SIP INVITE request from 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-I	INVITE 1: P-Private-Network-Indication: [any URI]				
Comments						
Message flows	Mx	SUT	Ic			
	INVITE → 100 Trying ←	-	INVITE			

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-	Info header field is passed to	a trusted network		
Test Purpose	When an IBCF receives an initial SIP INVITE request from its own network and a P-Access-Network-Info header field is present, it leaves the P-Access-Network-Info header				
		he SIP requests if the other r			
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		
	Too Trying	Apply post test	routine		

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-	Info header field is removed	from the INVITE			
Test Purpose	P-Access-Network-Inf	When an IBCF receives an initial SIP INVITE request from 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-N	INVITE 1: P-Access-Network-Info: IEEE 802.11a [i.1]				
Comments						
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test	Ic → INVITE 2 routine			

TP number	IBCF_102_021	Reference	4.4.5 [1]	
TSS reference	Exit_Point/bcall			
Selection criteria	NOT PICS 7.2.1/2 AND NOT P	ICS 7.2.2/6 AND PICS 7.1.1/2		
Test Purpose name	The P-Asserted-Service heade boundary of the trust domain	r field is left in the INVITE requ	est when crosses the	
Test Purpose	When an IBCF receives an INVITE request from 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				
Message flows	Mx SUT Ic			
	INVITE 1 →	→	INVITE 2	
	100 Trying ←			
	Apply post test routine			

TP number	IBCF_102_022	Reference	4.4.5 [1]			
TSS reference	Exit_Point/bcall					
Selection criteria	NOT PICS 7.2.1/2 AND PICS	7.2.2/6 AND PICS 7.1.1/2				
Test Purpose name	The P-Asserted-Service heade the boundary of the trust doma	er field is removed from the IN $\sqrt{2}$	/ITE request when crosses			
Test Purpose		When an IBCF receives an INVITE request from 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 SUT Ic					
	INVITE 1 300 Trying		INVITE 2			
		Apply post test routine				

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 an 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 SIP request if the other network untrusted.			
SIP Parameter values	INVITE 1: P-Asserted	l-Service: urn:urn-7:3gpp-sei	vice.exampletelephony.version1	
Comments				
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test	lc → 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 PI	CS 7.1.1/2		
Test Purpose name	P-Early-Media not red	ceived IBCF adds a P-Early-I	Media header to the INVITE	
Test Purpose	When the IBCF receives an INVITE request from the own 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 other network.			
SIP Parameter values	INVITE 1: INVITE 2: P-Early-Me	edia: supported		
Comments				
Message flows	Mx INVITE 1	SUT → Apply post test	Ic → INVITE 2 routine	

TP number	IBCF_102_025	Reference	9	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	received IBCF adds a l	P-Early-Media hea	der to the 180 response
Test Purpose	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: F	P-Early-Media:		
Comments		•		
Message flows	Mx		SUT	lc
	INVITE 180 Ringing 2	→	→	INVITE 180 Ringing 1
	3 3	Apply p	ost test routine	3 3

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	5 7.1.1/2			
Test Purpose name	P-Early-Media not recei	ived IBCF adds a P-Early-I	Media 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 1183 Session Progress 2				
Comments		<u>-</u>			
Message flows	Mx INVITE 183 Session Progress 2	SUT → 2 ←	Ic → INVITE ← 183 Session Progress 1		
		Apply post test	routine		

TP number	IBCF_102_027	Reference	5.10.6.2 [1]	
TSS reference	Exit_Point/bcall			
Selection criteria	PICS 7.2.2/9 AND PICS 7.1.1/	2		
Test Purpose name	P-Early-Media received IBCF r	emoves the P-Early-Media he	ader 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-Media: suppliNVITE 2:	ported		
Comments				
Message flows	Mx INVITE 1 →	SUT	lc INVITE 2	
		Apply post test routine		

TP number	IBCF_102_028	Reference	5.10.6.2 [1]		
TSS reference	Exit_Point/bcall				
Selection criteria	PICS 7.2.2/10 AND PICS 7.1.1	1/2			
Test Purpose name	P-Early-Media received IBCF	emoves the P-Early-Media hea	ader 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	SUT	lc		
_	INVITE 180 Ringing 2	·	INVITE 180 Ringing 1		
	Apply post test routine				

TP number	IBCF_102_029	Reference	5.10.6.2 [1]		
TSS reference	Exit_Point/bcall				
Selection criteria	PICS 7.2.2/10 AND PICS 7.1.	1/2			
Test Purpose name	P-Early-Media received IBCF	removes the P-Early-Media h	eader 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 removed from the 183 Session Progress response sent to the own network.				
SIP Parameter values	183 1: P-Early-Media: 183 2:				
Comments					
Message flows	Mx INVITE → 183 Session Progress 2 ←	-	Ic INVITE 183 Session Progress 1		
		Apply post test routille			

TP number	IBCF_102_030	Ref	erence		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 modif	ies the P-Early-Me	edia hea	ader to the 180 response
Test Purpose	When the IBCF	receives a 180 Ring	ging response from	the ot	her network and a
	P-Early-Media h	eader is present, ei	nsure that the P-Ea	arly-Me	dia header is modified in the
	180 Ringing res	ponse sent to the o	wn network.		
SIP Parameter values	180 Ringing 1:	P-Early-Media:			
		Not equal to			
	180 Ringing 2:	P-Early-Media:			
Comments					
Message flows	Mx		SUT		lc
	INVITE	→		→	INVITE
	180 Ringing 2	←		←	180 Ringing 1
		Apply post test routine			

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	5 7.1.1/2		
Test Purpose name	P-Early-Media received I	BCF modifies the P-Early-Me	edia 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 183 2: P-Early-Media		ived value	
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					
Selection criteria	PICS 7.2.2/12					
Test Purpose name	P-Asserted-Identity not red	ceived IBCF adds a P-Ass	serted-Identity to a 180 response			
Test Purpose	P-Asserted-Identity is pres	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-Identity	: <[network specific URI]>				
Comments	•					
Message flows	Mx INVITE	SUT	Ic → INVITE			
	180 Ringing 2					

IBCF_102_033	Reference	4.4.5 [1]		
Exit_Point/bcall	•			
PICS 7.2.2/12				
P-Asserted-Identity no	t received IBCF adds a P-As	serted-Identity to a 200 response		
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			
200 OK 1: 200 OK 2: P-Asser	ted-Identity: <[network speci	fic URI]>		
		•		
Mx INVITE 180 Ringing 200 OK INVITE 2	SUT → ← Apply post test i	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1		
	Exit_Point/bcall PICS 7.2.2/12 P-Asserted-Identity no When the IBCF receiv P-Asserted-Identity is included in the 200 OP 200 OK 1: 200 OK 2: P-Asser Mx INVITE 180 Ringing	Exit_Point/bcall PICS 7.2.2/12 P-Asserted-Identity not received IBCF adds a P-As When the IBCF receives a 200 OK INVITE respons P-Asserted-Identity is present, ensure that a netwo included in the 200 OK INVITE response sent to th 200 OK 1: 200 OK 2: P-Asserted-Identity: <[network speci		

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 no	ot received IBCF replaces th	e P-Asserted-Identity to a 180 response			
Test Purpose	P-Asserted-Identity is included and the received	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	lc			
	INVITE	→	→ INVITE			
	180 Ringing 2	←	← 180 Ringing 1			
	Apply post test routine					

TP number	IBCF_102_035	Reference	4.4.5 [1]		
TSS reference	Exit_Point/bcall	•			
Selection criteria	PICS 7.2.2/12 AND PI	CS 7.2.2/13			
Test Purpose name	P-Asserted-Identity no	t received IBCF replaces th	e P-Asserted-Identity to a 200 response		
Test Purpose	P-Asserted-Identity is princluded and the received	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.			
SIP Parameter values	200 OK 1: P-Asserted-Identity: <[any URI]> 200 OK 2: P-Asserted-Identity: <[network specific 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_036	Reference		4.4.5 [1]		
TSS reference	Exit_Point/bcall					
Selection criteria	PICS 7.2.2/13					
Test Purpose name	P-Asserted-Identity re	ceived IBCF omits the	P-Asserted-Ide	ntity from the 180 response		
Test Purpose	P-Asserted-Identity is	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.				
SIP Parameter values	180 1: P-Asserted-Ide	entity: <[any URI]>				
Comments						
Message flows	Mx	S	UT	Ic		
_	INVITE 180 Ringing 2	→ ← Apply pos	→ ← st test routine	INVITE 180 Ringing 1		

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	ceived IBCF omits the P-Ass	serted-Identity from the 200 response			
Test Purpose	P-Asserted-Identity is p	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 test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 routine			

TP number	IBCF_102_038	Reference	5.10.2 [1],	
			16.6 [19]	
TSS reference	Exit_Point/bcall	·	·	
Selection criteria	NOT PICS 7.1.1/2			
Test Purpose name	A Via header is added	in the INVITE		
Test Purpose	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.			
SIP Parameter values	INVITE 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value] INVITE 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 1	→	→ INVITE 2	
		Apply post test ro	utine	

IBCF_102_039	Reference	5.10.2 [1], 16.4 [19]		
Exit_Point/bcall				
NOT PICS 7.1.1/2				
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 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.				
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]				
Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT → ← → Apply post test re	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2 poutine		
	Exit_Point/bcall NOT PICS 7.1.1/2 A Via header is added in Ensure that the IUT on result in the interest of the other new location with a protocol reparameter beginning with ACK 1: VIA: SIP/2.0/[transpace] ACK 2: VIA: SIP/2.0/[VIA: SIP/2	Exit_Point/bcall NOT PICS 7.1.1/2 A Via header is added in the ACK Ensure that the IUT on receipt of an ACK request fr message to the other network after having inserted location with a protocol name set to SIP, a protocol parameter beginning with "z9hG4bK" - to the receiv ACK 1: VIA: SIP/2.0/[transport] [any URI 1];branch= ACK 2: VIA: SIP/2.0/[transport] [URI of IBCF];bra VIA: SIP/2.0/[transport] [any URI 1];branch= Mx SUT INVITE 180 Ringing 200 OK INVITE		

TP number	IBCF_102_040	Reference	5.10.2 [1], 16.6 [19]		
TSS reference	Exit_Point/bcall		110.0 [10]		
Selection criteria	NOT PICS 7.1.1/2				
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 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	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		
	1.00.1	← ← ← → → Apply post test routine	180 Ringing CANCEL 2		

TP number	IBCF_102_041	Reference	5.10.2 [1], 16.6 [19]		
TSS reference	Exit_Point/bcall		,		
Selection criteria	NOT PICS 7.1.1/2				
Test Purpose name	A Via header is added	in the BYE			
Test Purpose	message to the other location with a protoco	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 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value] 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]				
Comments		1 1 7 7	, ,		
Message flows	Mx SUT Ic A session is already established BYE 1 → BYE 2 Apply post test routine				

TP number	IBCF_102_042	Reference	5.10.2 [1],			
			16.4 [19]			
TSS reference	Exit_Point/bcall	•				
Selection criteria	NOT PICS 7.1.1/2					
Test Purpose name	The Route header of the	e IBCF is removed from the t	op of Route headers in ACK			
Test Purpose	header with the first va	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.				
SIP Parameter values	Route: <sip:< th=""><th>[URI of IBCF]>;lr [any URI]>;lr [any URI]>;lr</th><th></th></sip:<>	[URI of IBCF]>;lr [any URI]>;lr [any URI]>;lr				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT → ← → Apply post test ro	lc → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2 Dutine			

TP number	IBCF_102_043	Reference	5.10.2 [1]	
TSS reference	Exit_Point/bcall			
Selection criteria	NOT PICS 7.1.1/2			
Test Purpose name	ACK without Route header rece	eived		
Test Purpose	Ensure that the IUT on receipt header, forwards the message			
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	NOT PICS 7.1.1/2				
Test Purpose name	The Route header of the IBCF	is removed from the top of Ro	ute 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	CANCEL 1: Route: <sip:[uri 2:="" <sip:[any="" <sip:[any<="" cancel="" route:="" th=""><th>URI]>;lr</th><th></th></sip:[uri>	URI]>;lr			
Comments					
Message flows	Mx INVITE → 180 Ringing ← CANCEL 1 →	SUT → ← Apply post test routine	Ic INVITE 180 Ringing CANCEL 2		

TP number	IBCF_102_045	Refe	rence	5.10.2 [1]
TSS reference	Exit_Point/bcall			
Selection criteria				
Test Purpose name	CANCEL without Rou	te header recei	ived	
Test Purpose				ne own network without a Route st-URI in the other network.
SIP Parameter values				
Comments				
Message flows	Mx		SUT	lc
	INVITE	→	→	INVITE
	180 Ringing	←	+	180 Ringing
	CANCEL	→	→	CANCEL
		Ap	ply post test routine	

TP number	IBCF_102_046	Reference	5.10.2 [1]			
TSS reference	Exit_Point/bcall					
Selection criteria	NOT PICS 7.1.1/2					
Test Purpose name	The Route header of t	the IBCF is removed from the	e top of Route headers in ACK			
Test Purpose	header with the first va	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	Route: <sip:[ar< th=""><th colspan="4">BYE 1:Route: <sip:[uri ibcf]="" of="">;lr Route: <sip:[any]="" uri="">;lr BYE 2:Route: <sip:[any]="" uri="">;lr</sip:[any></sip:[any></sip:[uri></th></sip:[ar<>	BYE 1:Route: <sip:[uri ibcf]="" of="">;lr Route: <sip:[any]="" uri="">;lr BYE 2:Route: <sip:[any]="" uri="">;lr</sip:[any></sip:[any></sip:[uri>				
Comments		,				
Message flows	Mx	SUT	Ic			
		A session is already established				
	BYE 1	→	→ 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 he	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					
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

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 suppor	ted in INVITE				
Test Purpose	header, ensure that ar	When the IBCF receives an INVITE request from the own network containing an Accept header, ensure that an INVITE request is sent to the other network and the Accept header is present as received from the own network.				
SIP Parameter values	INVITE: Accept: mul	INVITE: Accept: multipart/mixed,application/sdp				
Comments						
Message flows	Mx	SUT	lc			
	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 supported in 20	0 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: application/s	sdp,text/plain			
Comments					
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE	SUT → ← Apply post test routine	Ic INVITE 180 Ringing 200 OK INVITE		

TP number	IBCF_103_003	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	·	<u> </u>		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept header supported	d in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing an Accept header, ensure that a BYE request is sent to the other network and the Accept header is present as received from the own network.				
SIP Parameter values	BYE: Accept: text/plain				
Comments					
Message flows	Mx	lc stablished			
	BYE	Apply post test ro	→ BYE putine		

TP number	IBCF_103_004	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/1	8			
Test Purpose name	Accept-Contact header support	ed 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: * ;m	obility="mobile";language="en	,de"		
Comments					
Message flows	Mx	SUT	lc		
	INVITE -	Apply post test routine	INVITE		

TP number	IBCF_103_005	Reference	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	Accept-Contact heade	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	t: *;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/bcall	·	·		
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Encoding he	ader supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing an Accept-Encoding header, ensure that an INVITE request is sent to the other network and the Accept-Encoding header is present as received from the own network.				
SIP Parameter values	INVITE: Accept-Er	ncoding: gzip			
Comments					
Message flows	Mx	SUT	lc		
	INVITE Apply post test routine				

TP number	IBCF_103_007	Referen	ce	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 2	00 OK		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing an Accept-Encoding header, ensure that a 200 OK INVITE response is sent to the own network and the Accept-Encoding header is present as received from the other network.				
SIP Parameter values	200 OK: Accept-End	coding: gzip			
Comments					
Message flows	Mx INVITE	→	SUT →	ic INVITE	
	180 Ringing ←				
		Apply	post test 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	ler supported in BYE			
Test Purpose	Accept-Encoding head	es a BYE request from the ov ler, ensure that a BYE reque ler is present as received fro	st is sent to the other network and the		
SIP Parameter values	BYE: Accept-Encodir	ng: gzip			
Comments					
Message flows	Mx	SUT	Ic		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_009	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	•			
Selection criteria	PICS 7.1.1/3				
Test Purpose name		ader supported in INVITE			
Test Purpose	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	lc		
	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 hea	ader 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	nguage: en, de			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE		

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	Accept-Language head	es a BYE request from the ow der, ensure that a BYE reques der is present as received fror	st is sent to the other network and the
SIP Parameter values	BYE: Accept-Languag	ge: en, de	
Comments			
Message flows	Mx	SUT	lc
		A session is already e	stablished
	BYE	Apply post test ro	→ BYE putine

TP number	IBCF_103	3_012	Reference		Annex A [3]	
TSS reference	Exit_Poin	t/scr/bcall			•	
Selection criteria	PICS 7.1.	1/3				
Test Purpose name	Allow hea	der supported in II	NVITE			
Test Purpose	header, e	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, A	CK, CANCEL, BY	/E		
Comments						
Message flows		Mx	SI	JT	lc	
	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	ed 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	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post t	→ INVITE← 180 Ringing← 200 OK INVITE		

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 supported in 200) OK				
Test Purpose	Allow header, ensure that a 20	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: INVITE, ACK	C, CANCEL, BYE				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	·	Ic INVITE 180 Ringing 200 OK INVITE			

TP number	IBCF_103_015	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow header supporte	ed in BYE			
Test Purpose	When the IBCF receives a BYE request from the own network containing an Allow header, ensure that a BYE request is sent to the other network and the Allow header is present as received from the own 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_103_016	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 and not PICS 7.1	1.1.2				
Test Purpose name	Allow header supported 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: INVITE, A	ACK, CANCEL, OPTIONS, BY				
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_103_017	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Allow-Events header	supported in INVITE			
Test Purpose	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-Events header is present as received from the own network.				
SIP Parameter values	INVITE: Allow-Events: call-completion				
Comments					
Message flows	Mx SUT Ic				
	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	supported in 200 OK	
Test Purpose	Allow-Events header,		nse from the other network containing an FE response is sent to the own network ed from the other 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

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: of	call-completion		
Comments				
Message flows	Mx	SUT	Ic	
	A session is already established			
	BYE	→	→ BYE	
	Apply post test routine			

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 supported	d 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-Events: call-completion				
Comments					
Message flows	Mx	SUT	Ic		
	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 suppo	orted in INVITE			
Test Purpose	header, ensure that a	When the IBCF receives an INVITE request from the own network containing a Call-ID header, ensure that an INVITE request is sent to the other network and the Call-ID header is present as received from the own network.			
SIP Parameter values	INVITE: Call-ID: [ar	ny value]			
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 suppo	rted in 180		
Test Purpose	Call-ID header, ensur		onse is sent	ther network containing a to the own network and the k.
SIP Parameter values	180: Call-ID: [any value]	alue]		
Comments				
Message flows	Mx INVITE 180 Ringing	SU1 → ←	· → ←	Ic INVITE 180 Ringing
	39	Apply post t	est 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	rted in 200 OK INVITE	
Test Purpose	Call-ID header, ensure		se from the other network containing a conse is sent to the own network and the er 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 r	Ic → INVITE ← 180 Ringing ← 200 OK INVITE

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 supported in AC	CK	
Test Purpose	When the IBCF receives an AC header, ensure that an ACK represent as received from the o	quest is sent to the other netwo	
SIP Parameter values	ACK: Call-ID: [any value]		
Comments			
Message flows	Mx	SUT	Ic
	INVITE -	→	INVITE
	180 Ringing ←	+	180 Ringing
	200 OK INVITE ←	+	200 OK INVITE
	ACK →	→	ACK
		Apply post test 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 B	YE	
Test Purpose		E request from the own network sent to the other network and the k.	
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	When the IBCF receives a 200 OK BYE response from the other network containing a Call-ID header, ensure that a 200 OK BYE 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 BYE: Call-ID: [any value]				
Comments					
Message flows	Mx	SUT		Ic	
	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 supported in	INVITE				
Test Purpose	header, ensure that an INVIT	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 UF	RI]>				
Comments						
Message flows	Mx	SUT	lc			
	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 support	ted in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Call-Info header, ensure that a 180 Ringing response is sent to the own network and the Call-Info header is present as received from the other network.				
SIP Parameter values	180: Call-Info: <[any l	JRI]>			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	←	← 180 Ringing		
		Apply post test	routine		

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	Call-Info header, ensu		se from the other network containing a ponse is sent to the own network and e other network.
SIP Parameter values	200 OK INVITE: Call	I-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_030	Reference		Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Contact header sup	ported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Contact header, ensure that an INVITE request is sent to the other network and the Contact header is present as received from the own network.				
SIP Parameter values	INVITE: Contact:	<[any URI]>			
Comments					
Message flows	Mx	S	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 suppor	rted in 180				
Test Purpose	Contact header, ensure	When the IBCF receives a 180 Ringing response from the other network containing a Contact header, ensure that a 180 Ringing response is sent to the own network and the Contact header is present as received from the other network.				
SIP Parameter values	180: Contact: <[any	URI]>				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
	180 Ringing	←	 180 Ringing 			
		Apply post test	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 supported 20	O OK INVITE	
Test Purpose	Contact header, ensure that a	0 OK INVITE response from the 200 OK INVITE response is se received from the other network	ent to the own network and the
SIP Parameter values	200 OK INVITE: Contact: <[a	ny URI]>	
Comments			
Message flows	Mx INVITE = 180 Ringing = 200 OK INVITE	=	Ic INVITE 180 Ringing 200 OK INVITE

, ensure that an ACK tas received from the	ACK request from the own network containing a Contact request is sent to the other network and the Contact header is
t header supported in the IBCF receives an , ensure that an ACK t as received from the	ACK request from the own network containing a Contact request is sent to the other network and the Contact header is
the IBCF receives and t, ensure that an ACK t as received from the	ACK request from the own network containing a Contact request is sent to the other network and the Contact header is
, ensure that an ACK tas received from the	request is sent to the other network and the Contact header is
Cantacti Janus IIDII	
Contact: <[any URI]>	
0 0	SUT
	K INVITE

TP number	IBCF_103_036	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Content-Disposition header sup	ported in INVITE		
Test Purpose	When the IBCF receives an IN\ Content-Disposition header, en and the Content-Disposition he	sure that an INVITE request is	sent to the other network	
SIP Parameter values	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 he	ader supported in 180	
Test Purpose	Content-Disposition he	ader, ensure that a 180 R	e from the other network containing a inging response is sent to the own resent as received from the other network.
SIP Parameter values	180: Content-Dispos	ition: session; handling=o	otional
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	180 Ringing	←	← 180 Ringing
		Apply post tes	t 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 h	eader supported in 200 OK I	NVITE
Test Purpose	Content-Disposition h	eader, ensure that 200 OK II	se from the other network containing a NVITE response is sent to the own esent as received from the other network.
SIP Parameter values	200 OK INVITE: Con	tent-Disposition: session; ha	indling=optional
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ←	Ic → INVITE ← 180 Ringing ← 200 OK INVITE
		Apply post test	routine

TP number	IBCF_103_039	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 ACK	
Test Purpose	Content-Disposition h	ves an ACK request from the eader, ensure that an ACK roon header is present as recei	equest is sent to the other network and
SIP Parameter values		sition: session; handling=opt	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK routine

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 header sup	oported 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-Disposition: session; handling=optional					
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 he	ader supported in 200 OK B	ΥE			
Test Purpose	Content-Disposition he	When the IBCF receives a 200 OK BYE response from the other network containing a Content-Disposition header, ensure that 200 OK BYE response is sent to the own network and the Content-Disposition header is present as received from the other network.				
SIP Parameter values	INVITE: Content-Disp	INVITE: Content-Disposition: session; handling=optional				
Comments						
Message flows	Mx	SUT	Ic			
	A session is already established					
	BYE	BYE → BYE				
	200 OK BYE	200 OK BYE ← 200 OK BYE				

TP number	IBCF_103_042	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Encoding header sup				
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Content-Encoding header, ensure that an INVITE request is sent to the other network and the Content-Encoding header is present as received from the own network.				
SIP Parameter values	INVITE: Content-Encoding: gzip				
Comments					
Message flows	Mx	SUT	lc		
	INVITE -	→	INVITE		
	Apply post test routine				

TP number	IBCF_103_043	Referen	се	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	When the IBCF receives a 180 Ringing response from the other network containing a Content-Encoding header, ensure that a 180 Ringing response is sent to the own network and the Content-Encoding header is present as received from the other network.				
SIP Parameter values	180: Content-Encod	ling: gzip			
Comments					
Message flows	Mx		SUT	lc	
	INVITE	→		→ INVITE	
	180 Ringing	←		← 180 Ringing	
	Apply post test 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 header supp	oorted in 200 OK INVITE				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing a Content-Encoding header, ensure that a 200 OK INVITE response is sent to the own network and the Content-Encoding header is present as received from the other network.					
SIP Parameter values	200 OK INVITE: Content-Enc	200 OK INVITE: Content-Encoding: gzip				
Comments						
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE	·	Ic INVITE 180 Ringing 200 OK INVITE			

TP number	IBCF_103_045	Refe	rence		Annex A [3]
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Encoding hea	der supported	l in ACK		
Test Purpose	When the IBCF receives an ACK request from the own network containing a Content-Encoding header, ensure that an ACK request is sent to the other network and the Content-Encoding header is present as received from the own network.				
SIP Parameter values	ACK: Content-Encod	ing: gzip			
Comments					
Message flows	Mx		SUT		lc
	INVITE	→		→	INVITE
	180 Ringing	←		←	180 Ringing
	200 OK INVITE	(←	200 OK INVITE
	ACK → ACK				
		Ap	ply post test rou	tine	

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 header supp	orted in BYE			
Test Purpose	When the IBCF receives a BYE				
	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-Encoding: gzip				
Comments					
Message flows	Mx	SUT	Ic		
	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 O	K BYE			
Test Purpose	Content-Encoding hea	When the IBCF receives a 200 OK BYE response from the other network containing a Content-Encoding header, ensure that a 200 OK BYE response is sent to the own network and the Content-Encoding header is present as received from the other network.				
SIP Parameter values	200 OK BYE: Content	200 OK BYE: Content-Encoding: gzip				
Comments						
Message flows	Mx	SU	Т	lc		
		A session is already established				
	BYE	→	→	BYE		
	200 OK BYE	200 OK BYE ← 200 OK BYE				

TP number	IBCF_103_048	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 INVITE				
Test Purpose	Content-Language hea	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: 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	<u>.</u>			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Language header s	upported in 180			
Test Purpose	When the IBCF receives a 180 Ringing response from the other network containing a Content-Language header, ensure that a 180 Ringing response is sent to the own network and the Content-Language header is present as received from the other network.				
SIP Parameter values	180: Content-Language: f	r, de			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	←	← 180 Ringing		
	Apply post test 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 header sup	ported in 200 OK INVITE			
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: Content-Lan	guage: fr, de			
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_103_051	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 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	SU'	 → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 		

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 header sup	ported in BYE		
Test Purpose	When the IBCF receives a BYE request from the own network containing a Content-Language header, ensure that a BYE request is sent to the other network and the Content-Language header is present as received from the own network.			
SIP Parameter values	BYE: Content-Language: fr, de			
Comments				
Message flows	Mx	SUT	Ic	
	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 header sup	ported in 200 OK BYE		
Test Purpose	When the IBCF receives a 200 Content-Language header, enand the Content-Language header.	sure that a 200 OK BYE respo	nse is sent to the own network	
SIP Parameter values	200 OK BYE: Content-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_05	54	Reference	Annex A [3]	
TSS reference	Exit_Point/sc	r/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Leng	th header support	ed in INVITE		
Test Purpose	Content-Leng	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	M	lx	SUT	lc	
	INVITE	→	Apply post test routine	INVITE	
	Apply positest routine				

TP number	IBCF_103_055	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall	Exit Point/scr/bcall				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Length heads	er supported in 180				
Test Purpose			om the other network containing a			
	Content-Length heade	er, ensure that a 180 Ringing r th header is present as receiv	response is sent to the own network			
SIP Parameter values	INVITE: SDP 1	ngth: [any value]				
Comments						
Message flows	Mx INVITE 180 Ringing	SUT → ← Apply post test re	Ic → INVITE ← 180 Ringing outine			

TP number	IBCF_103_056	Refer	ence	Annex A [3]		
TSS reference	Exit_Point/scr/bcal	Exit Point/scr/bcall				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Length he	ader supported in 2	200 OK INVITE			
Test Purpose	Content-Length he	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	200 OK INVITE: 0					
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_103_057	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall	Exit Point/scr/bcall				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Length heade	r supported in ACK				
Test Purpose	Content-Length heade	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-Length: [any value] SDP 2					
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT Apply post test in the second secon	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK routine			

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 head	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-Lengt	BYE: Content-Length: [any value]		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	→	→ BYE	
	Apply post test routine			

TP number	IBCF_103_059	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall	·	<u>.</u>			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Length heads	er supported in 200 OK BYE				
Test Purpose	Content-Length heade	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: Content	200 OK BYE: Content-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	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header	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-Ty	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 support	orted 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: applic	cation/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 supporte	ed 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: Content-Type	e: application/sdp		
Comments				
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE	+	Ic INVITE 180 Ringing 200 OK INVITE	
	Apply post test routine			

Reference	Annex A [3]			
er supported in ACK				
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.				
e: text plain				
SUT → ← ← Apply post test re	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK outine			
	Apply post test re			

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 supp	ported 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: text	plain			
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,	When the IBCF receives a 200 OK BYE response from the other network containing a Content-Type header, ensure that a 200 OK BYE 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 BYE: Content	200 OK BYE: Content-Type: text plain			
Comments					
Message flows	Mx	SUT	Ic		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	←	← 200 OK BYE		

TP number	IBCF_103_066	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supported in INV	ITE			
Test Purpose	When the IBCF receives an INVITE request from the own network containing a Cseq header, ensure that an INVITE request is sent to the other network and the Cseq header is present as received from the own network.				
SIP Parameter values	INVITE: Cseq: [any value] INVITE				
Comments					
Message flows	Mx	SUT	lc		
	INVITE -	· -	INVITE		
	Apply post test routine				

TP number	IBCF_103_067	Refe	rence	Annex A [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Cseq header supporte	ed in 180		
Test Purpose		180 Ringing re	sponse is sent to	the other network containing a Cseq the own network and the Cseq
SIP Parameter values	180: Cseq: [any value	ue] INVITE		
Comments				
Message flows	Mx		SUT	lc
_	INVITE	→		→ INVITE
	180 Ringing	←		← 180 Ringing
		Ар	oly post test rou	tine

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	Cseq header, ensure	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 test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE			

TP number	IBCF_103_069	Refe	rence		Annex A [3]
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header supporte	ed in ACK			
Test Purpose		equest is sent to			ork containing a Cseq header, the Cseq header is present as
SIP Parameter values	ACK: Cseq: [any value	ue] ACK			
Comments					
Message flows	Mx		SUT		lc
	INVITE	→		→	INVITE
	180 Ringing	←		←	180 Ringing
	200 OK INVITE	←		←	200 OK INVITE
	ACK	→		→	ACK
		Ap	oly post test rou	tine	

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 supported in BYE				
Test Purpose	When the IBCF receives an IN' header, ensure that an INVITE present as received from the or	request is sent to the other ne			
SIP Parameter values	BYE: Cseq: [any value] BYE				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE →	→	BYE		
	Apply post test routine				

TP number	IBCF_103_071	Reference	Annex A/ [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Cseq header support	ed in 200 OK BYE			
Test Purpose	Cseq header, ensure		rom the other network containing a is sent to the own network and the network.		
SIP Parameter values	200 OK BYE: Cseq: [any value] BYE			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	200 OK BYE	-	← 200 OK BYE		

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 head	er supported in INVIT	E		
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: Wen, 23 Mar 2011 13:03:00 GMT				
Comments					
Message flows		Mx	SUT	Ic	
	INVITE	→	→	INVITE	
	Apply post test routine				

TP number	IBCF_103_073	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall	•	
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Date header supported in 18	0	
Test Purpose	When the IBCF receives a 18 header, ensure that a 180 Ri header is present as received	nging response is sent to the	other network containing a Date own network and the Date
SIP Parameter values	180: Date: Wen, 23 Mar 20	011 13:03:00 GMT	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	NVITE
	180 Ringing	←	► 180 Ringing
		Apply post test routine	•

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 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: Wen, 2	23 Mar 2011 13:03:00 GMT			
Comments					
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE	+	Ic INVITE 180 Ringing 200 OK INVITE		

IBCF_103_075	Reference	Annex A [3]
Exit_Point/scr/bcall		
PICS 7.1.1/3		
Date header supporte	d in ACK	
that an ACK request is	s sent to the other network	
ACK: Date: Wen, 23	Mar 2011 13:03:00 GMT	
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT → ← Apply post te	Ic → INVITE ← 180 Ringing ← 200 OK INVITE ACK st routine
	Exit_Point/scr/bcall PICS 7.1.1/3 Date header supporte When the IBCF receive that an ACK request is received from the own ACK: Date: Wen, 23 Mx INVITE 180 Ringing 200 OK INVITE	Exit_Point/scr/bcall PICS 7.1.1/3 Date header supported in ACK When the IBCF receives an ACK request from the that an ACK request is sent to the other network received from the own network. ACK: Date: Wen, 23 Mar 2011 13:03:00 GMT Mx SUT 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 in BYE		
Test Purpose	When the IBCF receives a BYE that a BYE request is sent to the from the own network.		
SIP Parameter values	BYE: Date: Wen, 23 Mar 201	1 13:03:00 GMT	
Comments			
Message flows	Mx	SUT	lc
	A :	session is already establishe	ed
	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 supported in 2	200 OK BYE				
Test Purpose	header, ensure that a 200 (When the IBCF receives a 200 OK BYE response from the other network containing a Date header, ensure that a 200 OK BYE response is sent to the own network and the Date header is present as received from the other network.				
CID Devementes values						
SIP Parameter values	200 OK BYE: Date: Wen, 2	200 OK BYE: Date: Wen, 23 Mar 2011 13:03:00 GMT				
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	INVITE		
Test Purpose	header, e	BCF receives an insure that an INVI as received from	TE request is sent	om the own ne to the other n	etwork containing an Expires etwork and the Expires header
SIP Parameter values	INVITE:	Expires: 3600			
Comments					
Message flows		Mx	SUT		lc
	INVITE		→	→	INVITE
			Apply post to	est 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 supported	d in 180			
Test Purpose	Expires header, ensure the		om the other network containing an e is sent to the own network and the er network.		
SIP Parameter values	180: Expires: 3600				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	←	← 180 Ringing		
1	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 supported in	200 OK INVITE				
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network containing an 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: Expires: 3	600				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test routine	180 Ringing			

TP number	IBCF_103_08	1 R	eference		Annex A [3]
TSS reference	Exit_Point/scr/	/bcall			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Event header	supported in SUBC	RIBE		
Test Purpose	header, ensure	e that a SUBSCRIE	RIBE request from BE request is sent t m the own network	o the oth	network containing an Event er network and the Event
SIP Parameter values	SUBSRIBE:	Event: call-comple	tion		
Comments					
Message flows	M	(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 supported in NO				
Test Purpose	When the IBCF receives a NO header, ensure that a NOTIFY present as received from the o	request is sent to the other ne			
SIP Parameter values	NOTIFY: Event: call-completion	on			
Comments					
Message flows	Mx	SUT	lc		
	NOTIFY ->	→	NOTIFY		
	Apply post test routine				

TP number	IBCF_103_083	Reference	Annex A [3]				
TSS reference	Exit_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3						
Test Purpose name	From header support	ted in INVITE					
Test Purpose	header, ensure that a	When the IBCF receives an INVITE request from the own network containing a From header, ensure that an INVITE request is sent to the other network and the From header is present as received from the own network.					
SIP Parameter values	INVITE: From: <[ar	INVITE: From: <[any URI]>; tag=[any value]					
Comments							
Message flows	Mx	SUT	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 supported	in 180	
Test Purpose		30 Ringing response is se	e from the other network containing a From ent to the own network and the From work.
SIP Parameter values	180: From: <[any URI]	>; tag=[any value]	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	180 Ringing	←	← 180 Ringing
		Apply post tes	t 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	From header, ensure t	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 val	ue]				
Comments							
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ←	Ic → INVITE ← 180 Ringing ← 200 OK INVITE				
	200 OK INVITE	Apply post test routine					

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 supported 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 URI]>; tag=	[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_087	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	From header supported in BYE					
Test Purpose	When the IBCF receives a BYE ensure that a BYE request is s received from the own network	ent to the other network and the				
SIP Parameter values	BYE: From: <[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_088	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	From header supported 200	OK BYE			
Test Purpose		200 OK BYE response is se	the other network containing a ent to the own network and the ork.		
SIP Parameter values	200 OK BYE: From: <[any l	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 header supported	in INVITE			
Test Purpose	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 -	Apply post test routine	INVITE		

TP number	IBCF_103_090	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/19			
Test Purpose name	Geolocation header s	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 is present as received from the own network.				
SIP Parameter values	BYE: Geolocation: <	sip:[any URI]>; inserted-by=[a	any host-ID value]		
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 PI	CS 7.2.2/19		
Test Purpose name	Geolocation-Error hea	ader not supported in 18	30	
Test Purpose	Geolocation-Error hea		Ringing respor	ther network containing a nse is sent to the own network
SIP Parameter values	180: Geolocation-E	rror: 100		
Comments				
Message flows	Mx INVITE 180 Ringing	SU → ← Apply post	T → test routine	Ic INVITE 180 Ringing

TP number	IBCF_103_092	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/19			
Test Purpose name	Geolocation-Error hea	ader not supported in 200 O	K 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 not present.				
SIP Parameter values	200 OK INVITE: Geo	olocation-Error: 100			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Apply post test	Ic → INVITE ← 180 Ringing ← 200 OK INVITE		

TP number	IBCF_103_093	Reference		Annex A [3]		
TSS reference	Exit_Point/scr/bcall	<u>.</u>				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/19				
Test Purpose name	Geolocation-Error hea	ader not supported in B	ΥE			
Test Purpose	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 not present.					
SIP Parameter values	200 OK BYE: Geoloc	200 OK BYE: Geolocation-Error: 100				
Comments						
Message flows	Mx	SU	IT	Ic		
	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 r	not supported in INVITE				
Test Purpose	Max-Breadth header,	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-Bread	th: 10				
Comments						
Message flows	Mx	SUT	lc			
	INVITE 1	→	→ INVITE 2			
	Apply post test routine					

TP number	IBCF_103_095	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall		•			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Max-Breadth header no	ot supported in ACK				
Test Purpose	When the IBCF receives an ACK request from the own network containing a Max-Breadth header, ensure that an ACK request is sent to the other network and the Max-Breadth header is not present.					
SIP Parameter values	ACK 1: Max-Breadtl ACK 2:	h: 10				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT → ← ←	Ic → INVITE ← 180 Ringing ← 200 OK INVITE → ACK 2			

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 not suppo	orted 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: 10 BYE 2:				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE 1 →	→	BYE 2		
	Apply post test routine				

TP number	IBCF_103	3_097	Reference		Annex A [3]]
TSS reference	Exit_Poin	ıt/scr/bcall				
Selection criteria	PICS 7.1.	.1/3				
Test Purpose name		vards header support				
Test Purpose	Max-Forv	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-Forwards: [any value]				
Comments						
Message flows		Mx	SUT			Ic
	INVITE	-	•	→	INVITE	
	Apply post test routine					

TP number	IBCF_103_098	Reference	Annex A [3]
TSS reference	Exit_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Max-Forwards header support	ed in ACK	
Test Purpose	When the IBCF receives an A	CK request from the own netwo	ork containing a Max-Forwards
	header, ensure that an ACK re	equest is sent to the other netw	ork and the Max-Forwards
	header is present as received	from the own network.	
SIP Parameter values	ACK: Max-Forwards: [any va	lue]	
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 header s	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	lc		
_	A session is already established				
	Apply post test routine				

TP number	IBCF_103_100	Reference	Annex A [3]				
TSS reference	Exit_Point/scr/bcall						
Selection criteria	PICS 7.2.1/1 AND PICS 7.1.1/	3					
Test Purpose name	Min-Expires header supported						
Test Purpose	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	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.	.1/3				
Test Purpose name	Organizat	tion header supporte	d in INVITE			
Test Purpose	Organizat	When the IBCF receives an INVITE request from the own network containing an 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:	INVITE: Organization: "ETSI-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	Organization header, of		g response is	ther network containing an sent to the own network and er network.
SIP Parameter values	180: Organization: "	ETSI-INT"		
Comments				
Message flows	Mx	SUT	_	Ic
	INVITE	→	→	INVITE
	180 Ringing	←	←	180 Ringing
		Apply post t	est 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 :	supported in 200 OK INVITE	
Test Purpose	Organization header,		se from the other network containing an E response is sent to the own network d from the other network.
SIP Parameter values	200 OK INVITE: Org	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_103_104	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7	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-Vector: icid-	-value; orig-ioi; term-ioi			
Comments					
Message flows	Mx	SUT	lc		
	INVITE →	→	INVITE		
	180 Ringing ←	←	180 Ringing		
	Apply post test routine				

TP number	IBCF_103_105	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7	7.2.2/3				
Test Purpose name	The P-Charging-Vector header	is supported in 200 OK INVITI				
Test Purpose	When the IBCF sends a 200 OK INVITE response to the own network, ensure that the P-Charging-Vector is present as received from the other network.					
SIP Parameter values	200 OK INVITE: P-Charging-\	ector: icid-value; orig-ioi; term	-ioi			
Comments						
Message flows	Mx	SUT	Ic			
	INVITE →	→	INVITE			
	180 Ringing ←	(180 Ringing			
	200 OK INVITE ←	←	200 OK INVITE			
	Apply post test routine					

TP number	IBCF_103_106	Referen	ice	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	<u>.</u>				
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/3				
Test Purpose name	The P-Charging-Vecto	r header is not su	pported 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	ctor: icid-value; or	rig-ioi; term-ioi			
Comments						
Message flows	Mx		SUT	Ic		
	INVITE	→		→ INVITE		
	180 Ringing 2	←		← 180 Ringing 1		
	Apply post test routine					

TP number	IBCF_103_107	Reference		Annex A [3]		
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND I	PICS 7.2.2/3				
Test Purpose name	The P-Charging-Ve	ctor header is not suppor	ted in 200 OK IN	IVITE		
Test Purpose		When the IBCF sends a 200 OK INVITE response to the own network, ensure that the P-Charging-Vector is not present.				
SIP Parameter values	200 OK INVITE 1: 200 OK INVITE 2:	P-Charging-Vector: icid	l-value; orig-ioi; t	erm-ioi		
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2	→ ← ←	JT → ← t test routine	Ic INVITE 180 Ringing 200 OK INVITE 1		

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-Authorizati INVITE 2:	on: 001d56ad781f			
Comments	The P-Media-Authorization hea	ader is combined with the reso	urce 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 header	not supported in 183				
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 the resource reservation procedure					
Message flows	Mx	SUT	Ic			
_	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 header	not supported in 200 OK INVIT	E
Test Purpose		OOK INVITE response from the	
		r, ensure that a 200 OK INVITE norization header is not present	
SIP Parameter values	200 OK INVITE 1: P-Media		
	200 OK INVITE 2:		
Comments	The P-Media-Authorization he	ader is combined with the resor	urce reservation procedure
Message flows	Mx	SUT	lc
	INVITE 1	→	INVITE 2
	183 Session Progress	-	183 Session Progress
	200 OK INVITE 2	- ← Apply post test routine	200 OK INVITE 1
		Apply post test routine	

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	SUT	lc		
	INVITE 1	Apply post test routine	INVITE 2		
	Apply post test routine				

IBCF_103_112	Refe	rence		Annex A [3]
Exit_Point/scr/bcall	*			
PICS 7.1.1/3				
P-Preferred-Identity h	eader not supp	orted in 180		
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				
180 1: P-Preferred-Identity: <[any URI]>				
Mx		SUT		Ic
INVITE 1 180 Ringing 2 Apply post test routine Apply post test routine				
	Exit_Point/scr/bcall PICS 7.1.1/3 P-Preferred-Identity h When the IBCF receiv P-Preferred-Identity h network and the P-Pre 180 1: P-Preferred-Identity 180 2: Mx INVITE 1	Exit_Point/scr/bcall PICS 7.1.1/3 P-Preferred-Identity header not supp When the IBCF receives a 180 Ring P-Preferred-Identity header, ensure network and the P-Preferred-Identity 180 1: P-Preferred-Identity: <[any U] 180 2: Mx INVITE 1 180 Ringing 2	Exit_Point/scr/bcall PICS 7.1.1/3 P-Preferred-Identity header not supported in 180 When the IBCF receives a 180 Ringing response from P-Preferred-Identity header, ensure that a 180 Ringin network and the P-Preferred-Identity header is not prediction 180 1: P-Preferred-Identity: <[any URI]> 180 2: Mx SUT INVITE 1 180 Ringing 2	Exit_Point/scr/bcall PICS 7.1.1/3 P-Preferred-Identity header not supported in 180 When the IBCF receives a 180 Ringing response from the ot P-Preferred-Identity header, ensure that a 180 Ringing responetwork and the P-Preferred-Identity header is not present. 180 1: P-Preferred-Identity: <[any URI]> 180 2: Mx SUT INVITE 1

TP number	IBCF_103_113	Reference		Annex A [3]			
TSS reference	Exit_Point/scr/bcall						
Selection criteria	PICS 7.1.1/3						
Test Purpose name	P-Preferred-Identity h	eader not supported in 2	200 OK INVITE				
Test Purpose				e other network containing a esponse is sent to the own			
		eferred-Identity header i		sponse is sent to the own			
SIP Parameter values	200 OK INVITE 1:	200 OK INVITE 1: P-Preferred-Identity: <[any URI]>					
	200 OK INVITE 2:	200 OK INVITE 2:					
Comments							
Message flows	Mx	SU	T	lc			
	INVITE 1	→	→	INVITE 2			
	180 Ringing ← 180 Ringing						
	200 OK INVITE 2	200 OK INVITE 2 ← 200 OK INVITE 1					
		Apply post	test routine				

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 IN\	/ITE		
Test Purpose	When the IBCF receives an INVITE request from the own network containing a P-Preferred-Service header, ensure that an INVITE request is sent to the other network and the P-Preferred-Service header is not present.				
SIP Parameter values	INVITE 1: P-Preferred-Service: urn:urn-7:3gpp-service.exampletelephony.version1				
Comments					
Message flows	Mx INVITE 1	SUT → Apply post te	lc → INVITE 2 st routine		

TP number	IBCF_103_115	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	P-User-Database header not su	upported 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 not present.				
SIP Parameter values	INVITE1: P-User-Database: < INVITE2:	any DiameterURI]>			
Comments					
Message flows	Mx	SUT	lc		
	INVITE1 →	→ Apply post test routine	INVITE2		

TP number	IBCF_103_116	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall	•	· · ·			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/1 AND PICS 7.2.2/14				
Test Purpose name	P-User-Database head	der supported in REGISTER				
Test Purpose	When the IBCF receive	When the IBCF receives a REGISTER request from the own network containing a				
	P-User-Database head	P-User-Database header, ensure that a REGISTER request is sent to the other network				
	and the P-User-Databa	ase header is not present.				
SIP Parameter values	REGISTER: P-User-I	Database: <[any DiameterUR	l]>			
Comments						
Message flows	Mx	SUT	lc			
	REGISTER	REGISTER → REGISTER				
	Apply post test routine					

TP number	IBCF_103_11	7 Refe	rence	Annex A [3]	
TSS reference	Exit_Point/scr	/bcall			
Selection criteria	PICS 7.1.1/3	AND PICS 7.2.1/1 ANI	PICS 7.2.2/15		
Test Purpose name	P-Visited-Net	vork-ID header suppor	ted in INVITE		
Test Purpose	When the IBCF receives an INVITE request from the own network containing a P-Visited-Network-ID-Service header, ensure that an INVITE 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	INVITE: P-Visited-Network-ID: "Visited network number 1"				
Comments					
Message flows	M	X	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	CS 7.2.1/1 AND PICS 7.2.2/15				
Test Purpose name	P-Visited-Network-ID	header supported in REGISTE	ER .			
Test Purpose	P-Visited-Network-ID	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-Visite	REGISTER: P-Visited-Network-ID: "Visited network number 1"				
Comments						
Message flows	Mx	SUT	lc			
	REGISTER	→	→ REGISTER			
		Apply post test routine				

TP number	IBCF_103_119	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7	7.2.1/1			
Test Purpose name	P-Visited-Network-ID header no	ot supported in INVITE			
Test Purpose	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.				
SIP Parameter values	INVITE 1: P-Visited-Network-II INVITE 2:	D: "Visited network number 1"			
Comments					
Message flows	Mx	SUT	Ic		
	INVITE 1 →	→	INVITE 2		
		Apply post test routine			

TP number	IBCF_103_120	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall		·	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Proxy-Require hea	der supported in INVITE		
Test Purpose	Proxy-Require hea		n the own network containing a equest is sent to the other network and the om the own network.	
SIP Parameter values	INVITE: Proxy-R	equire: etsi-int13		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	→	→ INVITE	
	Apply post test routine			

TP number	IBCF_103_121	Refer	ence	Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Proxy-Require header	supported in A	CK		
Test Purpose	When the IBCF receive	es an ACK requ	est from the own net	work containing a Proxy-Require	
	header, ensure that an	ACK request is	s sent to the other ne	twork and the Proxy-Require	
	header is present as re	ceived from the	e own network.		
SIP Parameter values	ACK: Proxy-Require:	etsi-int13			
Comments					
Message flows	Mx		SUT	lc	
	INVITE	→	-	INVITE	
	180 Ringing	(•	■ 180 Ringing	
	200 OK ÎNVÎTE ← 200 OK ÎNVÎTE				
	ACK	→	-	ACK	
	-	Арр	ly post test routine	-	

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	r supported in BYE			
Test Purpose	header, ensure that a		own network containing a Proxy-Require other network and the Proxy-Require		
SIP Parameter values	BYE: Proxy-Require:	: etsi-int13			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
	Apply post test routine				

TP number	IBCF_103_123	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND P	ICS 7.2.1/1				
Test Purpose name	Proxy-Require head	er supported in REGISTER				
Test Purpose	Proxy-Require head	When the IBCF receives a REGISTER request from the own network containing a Proxy-Require header, ensure that a REGISTER request is sent to the other network and the Proxy-Require header is present as received from the own network.				
SIP Parameter values	REGISTER: Proxy-Require: etsi-int13					
Comments						
Message flows	Mx	SUT	lc			
	REGISTER	→	→ REGISTER			
	Apply post test routine					

TP number	IBCF_103_124	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/18				
Test Purpose name	Reject-Contact header	supported in INVITE				
Test Purpose	Reject-Contact header	When the IBCF receives an INVITE request from the own network containing a Reject-Contact header, ensure that an INVITE request is sent to the other network and the Reject-Contact header is present as received from the own network.				
SIP Parameter values	INVITE: Reject-Conta	act: *;actor="msg-taker";vid	eo			
Comments						
Message flows	Mx	SUT	lc			
_	INVITE	→ Apply post test	→ INVITE routine			

TP number	IBCF_103_125	Refer	ence	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	Reject-Contact header	supported in A	CK		
Test Purpose	When the IBCF receives an ACK request from the own network containing a Reject-Contact header, ensure that an ACK request is sent to the other network and the Reject-Contact header is present as received from the own network.				
SIP Parameter values	ACK: Reject-Contact: *;actor="msg-taker";video				
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	→ ← ← → App	SUT → ← → ty post test routine	IC INVITE 180 Ringing 200 OK INVITE ACK	

TP number	IBCF_103_126	Reference	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	Reject-Contact heade				
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-Contact: *;actor="msg-taker";video				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	→	→ BYE		
		Apply post test re	outine		

TP number	IBCF_103_127	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	Request-Disposition	header supported in INVITE				
Test Purpose	Request-Disposition	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-D	Disposition: no-fork				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	→	→ INVITE			
	Apply post test routine					

TP number	IBCF_103_128	Refe	rence		Annex A [3]
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.2/18			
Test Purpose name	Request-Disposition h	eader supporte	ed in ACK		
Test Purpose	When the IBCF receives an ACK request from the own network containing a Request-Disposition header, ensure that an ACK request is sent to the other network and the Request-Disposition header is present as received from the own network.				
SIP Parameter values	ACK: Request-Dispo	sition: no-fork			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	→ ← ← →	SUT	→ ← ← → tine	Ic INVITE 180 Ringing 200 OK INVITE ACK

TP number	IBCF_103_129	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/	18				
Test Purpose name	Request-Disposition header su	pported 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-Disposition: no	o-fork				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE → BYE					
		Apply post test routine				

TP number	IBCF_103_130	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 INVITE				
Test Purpose	header, ensure that a	When the IBCF receives an INVITE request from the own network containing a Require header, ensure that an INVITE request is sent to the other network and the Require header is present as received from the own network.				
SIP Parameter values	INVITE: Require: 1	00rel				
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 supp	orted in 180	
Test Purpose	Require header, ensu		from the other network containing a nse is sent to the own network and the ther network.
SIP Parameter values	180: Require: 100re	el	
Comments			
Message flows	Mx INVITE 180 Ringing	SUT → ← Apply post tes	Ic → INVITE ← 180 Ringing t 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	rted 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: Requ	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_134	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 BYE			
Test Purpose		BYE request is sent to the ot	wn network containing a Require ther network and the Require header is		
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 and not	PICS 7.1.1.2			
Test Purpose name	Require header supp	orted in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing a Require header, ensure that a 200 OK BYE response is sent to the own network and the Require header is present as received from the other 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	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-Client header not supp	oorted in REGISTER			
Test Purpose	When the IBCF receives a REGISTER request from the own (visited) network containing a Security-Client header, ensure that a 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				
	REGISTER 2:				
Comments					
Message flows	Mx	SUT	lc		
	REGISTER 1 →	→	REGISTER 2		
		Apply post test routine			

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	ot supported in 200 OK	REGISTER			
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	200 OK 1: Security-Server: tls;q=0.2				
Comments						
Message flows	Mx	SUT	lc			
-	REGISTER 200 OK REGISTER 2	→ ← Apply post tes	→ REGISTER ← 200 OK REGISTER 1 st routine			

TP number	IBCF_103_138	Reference		Annex A [3]			
TSS reference	Exit_Point/scr/bcall	Exit Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.1/1					
Test Purpose name	Security-Verify header r	not supported					
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;q=0.2						
Comments							
Message flows	Mx SUT Ic						
	INVITE 1 → INVITE 2						
	Apply post test routine						

TP number	IBCF_103_	_139	Reference	Annex A [3]		
TSS reference	Exit_Point/					
Selection criteria	PICS 7.1.1	/3 AND PICS 7.2.2/	16			
Test Purpose name	Session-Ex	xpires header suppo	rted in INVITE			
Test Purpose	Session-Ex	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:	Session-Expires:				
Comments						
Message flows	Mx SUT Ic					
	INVITE	→	Apply post test routin	→ INVITE e		

TP number	IBCF_103_140	Reference	Annex A [3]	
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/16		
Test Purpose name	Session-Expires head	der supported in 200 OK INV	TTE	
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: 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_103	3_141	Reference		Annex A [3]
TSS reference	Exit_Poin	t/scr/bcall				
Selection criteria	PICS 7.1.	1/3				
Test Purpose name	Supported	d header supporte	d in INVITE			
Test Purpose	header, e	nsure that an INVI	INVITE request from TE request is sent to ed from the own net	o the other n		
SIP Parameter values	INVITE:	Supported: 100re	el			
Comments						
Message flows		Mx SUT Ic				
	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	ported in 200 OK INVITE	
Test Purpose	Supported header, en		e from the other network containing a sponse is sent to the own network and he other network.
SIP Parameter values	200 OK INVITE: Supp	ported: timer	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	180 Ringing	←	 180 Ringing
	200 OK INVITE	←	← 200 OK INVITE
		Apply post test r	outine

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 su	upported 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 optional as received from the own network.			
SIP Parameter values	BYE: Supported: tin or BYE: without Suppor			
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	→	→ BYE	
		Apply post test ro	outine	

TP number	IBCF_103_145	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Timestamp header su	upported in INVITE			
Test Purpose	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: Timestamp	o: [any value]			
Comments					
Message flows	Mx SUT Ic				
	INVITE	→	→ INVITE		
	Apply post test routine				

TP number	IBCF_103_146	Referen	се	Annex A [3]
TSS reference	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Timestamp header sup	ported in 180		
Test Purpose		sure that a 180 R	nging response is s	other network containing a sent to the own network and the twork.
SIP Parameter values	180: Timestamp: [an	y value]		
Comments				
Message flows	Mx		SUT	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 supported	n 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: Timestamp:	[any value]		
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_103_148	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 ACK		
Test Purpose		ACK request is sent	to the other netv	ork containing a Timestamp work and the Timestamp
SIP Parameter values	ACK: Timestamp: [ar	ny value]		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE →	→ ← ←	JT	IC INVITE 180 Ringing 200 OK INVITE ACK

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 supported in	n BYE		
Test Purpose	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	BYE: Timestamp: [any 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 and not	PICS 7.1.1.2					
Test Purpose name	Timestamp header su	upported in 200 OK BYE					
Test Purpose	Timestamp header, e	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: Timesta	amp: [any value]					
Comments							
Message flows	Mx	SUT	lc				
	A session is already established						
	BYE	·					
	200 OK BYE	←	← 200 OK BYE				

TP number	IBCF_103_1	51	Reference	Annex A [3]
TSS reference	Exit_Point/sc	r/bcall		
Selection criteria	PICS 7.1.1/3	ı		
Test Purpose name	To header su	upported in INVITE		
Test Purpose	ensure that a		is sent to the other network ar	work containing a To header, nd the To header is present as
SIP Parameter values	INVITE: To	o: <[any URI]>		
Comments				
Message flows	IV	Лx	SUT	lc
	INVITE	→	→	INVITE
			Apply post test routine	

TP number	IBCF_103_152	Refe	rence	Annex A [3]	
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	To header supported i	n 180			
Test Purpose		180 Ringing re	sponse is sent to	the other network containing a To the own network and the To header	
SIP Parameter values	180: To: <[any URI]:	>; tag=[any val	ue]		
Comments					
Message flows	Mx		SUT	lc	
	INVITE	→		→ INVITE	
	180 Ringing	←		← 180 Ringing	
	Apply post test routine				

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	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				
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_154	Refere	nce	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	•				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	To header supported i	n ACK				
Test Purpose	When the IBCF receives an ACK request from the own network containing a To header, ensure that an ACK request is sent to the other network and the To header is present as received from the own network.					
SIP Parameter values	ACK: To: <[any URI]:	>; tag=[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_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 BYE					
Test Purpose		YE request from the own netwo sent to the other network and the rk.				
SIP Parameter values	BYE: To: <[any URI]>; tag=	[any value]				
Comments						
Message flows	Mx	SUT	Ic			
	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 i	n 200 OK BYE			
Test Purpose	header, ensure that a is present as received	200 OK BYE response is se from the other network.	from the other network containing a To nt to the own network and the To header		
SIP Parameter values	200 OK BYE: To: <[an	y URI]>; tag=[any value]			
Comments					
Message flows	Mx	SUT	Ic		
	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 PI	ICS 7.2.2/20	
Test Purpose name	Trigger-Consent hea	der supported	
Test Purpose	Trigger-Consent hea	ives an INVITE request from t der, ensure that an INVITE re header is present as received	quest is sent to the other network and
SIP Parameter values	INVITE: Trigger-Co	onsent:	
Comments			
Message flows	Mx INIVITE	SUT	ic -
	INVITE	Apply post test	→ INVITE routine

TP number	IBCF_103_158	Reference		Annex A [3]		
TSS reference	Exit_Point/scr/bcall	<u>.</u>				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Unsupported header sup	ported				
Test Purpose	When the IBCF receives a 420 Bad Extension response from the own network containing an Unsupported header, ensure that a 420 Bad Extension response is sent to the other network and the Unsupported header is present as received from the own network.					
SIP Parameter values	420: Unsupported: etsi	-int13				
Comments						
Message flows	Mx	SUT		lc		
	INVITE	→	→	INVITE		
	420 Bad Extension ← 420 Bad Extension					
	ACK	→	→	ACK		
		Apply post test routine				

TP number	IBCF_103_159	Reference	Annex A [3]			
TSS reference	Exit_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	User-Agent header supported	in INVITE				
Test Purpose	header, ensure that an INVITE	When the IBCF receives an INVITE request from the own network containing a User-Agent header, ensure that an INVITE request is sent to the other network and the User-Agent header is present as received from the own network.				
SIP Parameter values	INVITE: User-Agent: ETSI so	oft client v1				
Comments						
Message flows	Mx	SUT	Ic			
	INVITE ->	Apply post test routine	INVITE			

TP number	IBCF_103_160	Refe	rence	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	/1			
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 supported	in 200 OK INVITE				
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: User-Agent:	ETSI soft client v1				
Comments						
Message flows	INVITE 180 Ringing 200 OK INVITE	+	Ic INVITE 180 Ringing 200 OK INVITE			

TP number	IBCF_103_162	Refe	rence		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 sup	User-Agent header supported 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: ETSI soft client v1					
Comments						
Message flows	Mx		SUT		Ic	
	INVITE	→		→	INVITE	
	180 Ringing	180 Ringing ← 180 Ringing				
	200 OK INVITE 2					
	ACK	→		→	ACK	
		Ар	ply post test rout	tine		

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 supported i	n BYE	
Test Purpose	When the IBCF receives a BYE request from the own network containing a User-Agent header, ensure that a BYE request is sent to the other network and the User-Agent header is present as received from the own network.		
SIP Parameter values	BYE: User-Agent: ETSI soft c	lient v1	
Comments			
Message flows	Mx	SUT	Ic
	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 7.1.1/2 AND PICS 7.1.1	/3	
Test Purpose name	User-Agent header supported	in 200 OK BYE	
Test Purpose	When the IBCF receives a 200		
	User-Agent header, ensure th	at a 200 OK BYE 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 BYE: User-Agent: 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_103_165	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 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-Use	INVITE: User-to-User: 504554534920494E54;encoding=hex			
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_103_166	Reference		Annex A [3]
TSS reference	Exit_Point/scr/bcall	•		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/17			
Test Purpose name	User-to-User header 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	SU	T	Ic
	INVITE	→	→	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 PICS 7.2.2/17				
Test Purpose name	User-to-User header 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: User-to-User: 504554534920494E54;encoding=hex				
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_103_168	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/17				
Test Purpose name	User-to-User header supported	I 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 routine				

TP number	IBCF_103_169	Reference	Annex A [3]		
TSS reference	Exit_Point/scr/bcall	Exit_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2	/17			
Test Purpose name	User-to-User header supporte	ed in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the other network containing a User-to-User header, ensure that a 200 OK BYE 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 BYE: User-to-User: 504554534920494E54;encoding=hex				
Comments					
Message flows	Mx SUT Ic				
	A session is already established				
	BYE	→	BYE		
	200 OK BYE ← 200 OK BYE				

6.1.3.2 Simulation services

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 PIC	S 7.2.1/2 AND PICS 7	.2.3/1		
Test Purpose name	The IBCF leaves the P-Ass	erted-Identity header fie	eld 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 request from within its own network and a			
	P-Asserted-Identity and a P				
	P-Asserted-Identity header	P-Asserted-Identity header fields in the SIP requests if the other network is trusted.			
SIP Parameter values	INVITE 1: P-Asserted-Identity <uri></uri>				
	Privacy: id				
	INVITE 2: P-Asserted-Identity <uri> Privacy: id</uri>				
Comments					
Message flows	Mx/Gm	SUT	lc		
	INVITE 1 → INVITE 2				
		Apply post test	routine		

TP number	IBCF_104_002	Reference	4.4.2, 5.10.6 [1],	
			5 [16]	
TSS reference	Exit_Point/scr/ss/oip-o	pir		
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2 AND PICS	7.2.3/1	
Test Purpose name	The IBCF leaves the F	P-Asserted-Identity header t	ield set to the public user identity and no	
	Privacy present in the	request for outgoing reques	sts	
Test Purpose	When an IBCF receive	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, 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-Identity <uri></uri>			
	INVITE 2: P-Asserted-	-Identity <uri></uri>		
Comments				
Message flows	Mx	SUT	lc	
_	→ INVITE 2			
	Apply post test routine			

TP number	IBCF_104_003	Reference	4.4.2, 5.10.6 [1], 5 [16]		
TSS reference	Exit_Point/scr/ss/oip-oi	Exit Point/scr/ss/oip-oir			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND PICS 7.2.3/	1		
Test Purpose name	The IBCF removes the Privacy id from the req		er 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- Privacy: id	Identity <uri></uri>			
Comments					
Message flows	Mx INVITE 1 100 Trying	SUT → ← Apply post test	ic → INVITE 2		

TP number	IBCF_104_004	Reference	4.4.2, 5.10.6 [1],		
			5 [16]		
TSS reference	Exit_Point/scr/ss/oip-oi	•			
Selection criteria	PICS 7.1.1/3 AND PICS	5 7.2.1/2 AND PICS 7.2.3/1			
Test Purpose name	The IBCF leaves the P-	Asserted-Identity header fiel	d set to the public user identity from the		
	request no Privacy requ	uested			
Test Purpose	When an IBCF receives an initial SIP INVITE request from within its own network and a				
			ent, the IBCF leaves the received		
	P-Asserted-Identity header field.				
SIP Parameter values	INVITE 1: P-Asserted-Identity <uri></uri>				
	INVITE 2: P-Asserted-Identity <uri></uri>				
Comments					
Message flows	Mx SUT Ic				
	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	Refer	ence		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.	3/2	
Test Purpose name	The P-Asserted-Identity	is passed in t	he 180 respons	e	
Test Purpose	sent an initial INVITE re no Privacy header is pre SIP response.	equest and the esent, the IBC	re is a P-Assert	ed-Iden	from a trusted network upon tity header field present and ted-Identity header fields in the
SIP Parameter values	180 1: P-Asserted-Iden 180 2: P-Asserted-Iden	,			
Comments					
Message flows	Mx		SUT		Ic
	INVITE	→		→	INVITE
	180 Ringing 2	←		←	180 Ringing 1
	Apply post test routine				

Exit Point/scr/ss/tip-tir		7.2.2 [17]	
LXII_I OIIII/30I/33/IIP-III			
PICS 7.1.1/3 AND NOT	PICS 7.2.1/2 AND PICS 7.2.3	3/2	
The P-Asserted-Identity	is passed in the 200 OK response	onse	
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.			
200 1: P-Asserted-Identity 200 2: P-Asserted-Identity			
	•		
Mx INVITE 180 Ringing 200 OK INVITE 2 ACK	SUT ← ← Apply post test rou	Ic → INVITE ← 180 Ringing ← 200 OK INVITE 1 → ACK tine	
	PICS 7.1.1/3 AND NOT The P-Asserted-Identity When an IBCF receives an initial INVITE request Privacy header is preser SIP response. 200 1: P-Asserted-Ident 200 2: P-Asserted-Ident Mx INVITE 180 Ringing 200 OK INVITE 2	PICS 7.1.1/3 AND NOT PICS 7.2.1/2 AND PICS 7.2.3 The P-Asserted-Identity is passed in the 200 OK respondence of the series of t	

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	S 7.2.1/2 AND PICS 7.2.3/2	2		
Test Purpose name	The P-Asserted-Identity	y is replaced or omitted in t	he 180 response		
Test Purpose SIP Parameter values	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. 180 1: P-Asserted-Identity <single or="" sip,="" sips="" tel="" uri=""> or</single>				
Comments	no P-Asserted-Id	dentity present			
Message flows	Mx	SUT	lc		
	INVITE → INVITE				
	180 Ringing 2 ← 180 Ringing 1				
	Apply post test routine				

TP 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		[1.2.2 [11]	
Selection criteria		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 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	200 1: P-Asserted-Ident 200 2: P-Asserted-Ident no P-Asserted-Id	ity <single or="" sip,="" sips="" tel="" th="" u<=""><th>RI> or</th></single>	RI> or	
Comments		7 1		
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2 ACK	SUT ← ← Apply post test rol	Ic INVITE 180 Ringing 200 OK INVITE 1 ACK	

TP number	IBCF_105_005	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/tip-tir				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/2	2			
Test Purpose name	INVITE 'from-change' tag in Su	pported header supported			
Test Purpose	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 'from-change' tag present in the supported header.				
SIP Parameter values	INVITE 1: Supported: from-change INVITE 2: Supported: from-change				
Comments	·				
Message flows	Mx	SUT	lc		
	INVITE 1 → INVITE 2				
	Apply post test routine				

TP number	IBCF_105_006	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/tip-tir	Exit Point/scr/ss/tip-tir				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	2				
Test Purpose name	200 OK 'from-change' tag in S	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 20	0 OK INVITE request is sent			
	to the own network and the 'fro	m-change' tag is present in the	e supported header.			
	Ensure that the changed From	Ensure that the changed From header value in the UPDATE request is passed unchanged.				
SIP Parameter values	200 OK 1: Supported: from-cha	ange				
	200 OK 2: Supported: from-change					
	UPDATE 1: From: <changed from="" header="" value=""></changed>					
	UPDATE 2: From: <changed f<="" th=""><th>rom header value></th><th></th></changed>	rom header value>				
Comments						
Message flows	Mx	SUT	lc			
	INVITE -	→	INVITE			
	180 Ringing ← 180 Ringing					
	200 OK INVITE 2 ← 200 OK INVITE 1					
	ACK → ACK					
	UPDATE 2 ← UPDATE 1					
	200 OK UPDATE → 200 OK UPDATE					
		Apply post test 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 PIC	CS 7.2.3/3	
Test Purpose name	The History-Info heade	r without Privacy heade	er is passed in	the INVITE
Test Purpose		ent, it leaves the History		vithin its own network and a no rield in the SIP requests if the
SIP Parameter values	INVITE 1: History-Info			
Comments	INVITE 2: History-Info			
Message flows	Mx	SU	Γ	Ic
	INVITE 1	→	→	INVITE 2
	100 Trying	←		

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 PICS	7.2.1/2 AND PICS 7.2.3/3			
Test Purpose name	The History-Info header with P	rivacy history is passed in the I	NVITE		
Test Purpose	When an IBCF receives an init				
	Privacy header value history is	present, it leaves the History-I	nfo header field in the SIP		
	requests if the other network is	s 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 routine				

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 NO	T PICS 7.2.1/2 AND PICS 7.2	2.3/3		
Test Purpose name	The History-Info heade	er with escaped Privacy head	er is passed in the INVITE		
Test Purpose			st from within its own network and a		
			ntry, it leaves the hi-entry in the		
		ld in the SIP requests if the ot			
SIP Parameter values	INVITE 1: History-Info	INVITE 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	INVITE 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 1 → INVITE 2				
100 Trying ←					
	Apply post test routine				

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	7.2.1/2 AND PICS 7.2.3/3			
Test Purpose name	The History-Info header	is passed into an untrusted	network		
Test Purpose		When an IBCF receives an initial SIP INVITE request from within its own network and a no			
	Privacy header, it leaves	the History-Info header fiel	d 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 PICS 7.2.	1/2 AND PICS 7.2.3/3	
Test Purpose name	The History-Info header and	Privacy headers are omitted	d into an untrusted network
Test Purpose			m within its own network and a
			listory-Info header field from the
	SIP requests if the other net	vork is untrusted.	
SIP Parameter values	INVITE 1: History-Info		
	Privacy: history		
Comments	INVITE 2: no History-Info pre	esent	
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 each	scaped Privacy header is omitt	ed into an untrusted network
Test Purpose	When an IBCF receives an init		
	Privacy header value history is	escaped in any hi-entry, it rem	loves this specific hi-entry
	from the History-Info header fie	eld in the SIP requests if the otl	ner network is untrusted.
SIP Parameter values	INVITE 1: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1		
	<hi-targ< th=""><th>geted-to-uri 2>; index=1.1</th><th></th></hi-targ<>	geted-to-uri 2>; index=1.1	
Comments	INVITE 1: History-Info: <hi-targ< th=""><th>geted-to-uri 2>; index=1.1</th><th></th></hi-targ<>	geted-to-uri 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/other			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/1	17 AND PICS 7.2.3/4		
Test Purpose name	INFO request containing the "a	pplication/vnd.etsi.mcid+xml" r	equest MIME body supported	
Test Purpose	When the IBCF receives an INF	O request from the other netw	ork the Content-Type is set	
	to 'application/vnd.etsi.mcid+xn	nl' and a MCID XML request bo	ody is present, an INFO	
	request is sent to the own netw	ork. The Content-type is set to		
	'application/vnd.etsi.mcid+xml'	and the received MCID XML be	ody is present.	
SIP Parameter values	INFO: Content-Type: application	on/vnd.etsi.mcid+xml		
	xml version="1.0"</th <th></th> <th></th>			
	mcid			
	request			
	McidRequestIndicator>1<			
	HoldingIndicator>1<			
Comments				
Message flows	Mx	SUT	lc	
	INVITE →	→	INVITE	
	180 Ringing ←	←	180 Ringing	
	INFO +	←	INFO	
	200 OK INFO →	→	200 OK INFO	
		Apply post test routine		

TP number	IBCF_107_002	Referen	ce	12 [3]
TSS reference	Exit_Point/scr/ss/othe	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/17 AND F	PICS 7.2.3/4	
Test Purpose name	INFO request containing the "application/vnd.etsi.mcid+xml" response MIME body supported			
Test Purpose	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 response 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 respons Mcid Hold		or>1< ator>1<	
Comments		, , , , , , , , , , , , , , , , , , , ,	1	
Message flows	INVITE 180 Ringing INFO 200 OK INFO 1 INFO 1 200 OK INFO 2	→ ← ← → Apply	SUT	IC INVITE 180 Ringing INFO 200 OK INFO 1 INFO 2 200 OK INFO 2

TP number	IBCF_107_003	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/9	5	
Test Purpose name	Privacy value 'id' and 433 Anor	nymity Disallowed response	supported
Test Purpose	When an IBCF receives a P-Asserted-Identity and the Privacy header is set to 'id' from the own network, an INVITE request is sent to the other 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-Identity Privacy: id		
Comments			
Message flows	Mx INVITE 433 Anonymity Disallowed ACK	SUT → → ← ← ← ←	

TP number	IBCF_107_004	Reference)	12 [3]
TSS reference	Exit_Point/scr/ss/othe	r		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 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>n:alert:service:call-wa</th><th>aiting></th><th></th></urn<>	n:alert:service:call-wa	aiting>	
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/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 XML I	oody 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" ims-cw communication-waiting-indication</th		
Comments			
Message flows	Mx	SUT	lc
	INVITE →	→	INVITE
	Apply post test routine		

TP number	IBCF_107_006	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other		
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	Ic
	INVITE 1	\rightarrow \rightarrow	INVITE 2
	480 Temporarily Unavailable	← ←	480 Temporarily Unavailable
	ACK	→	ACK

TP number	IBCF_107_007 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	INVITE request to suspend and retrieve a session is supported		
Test Purpose	When the IBCF receives an INVITE 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 INVITE 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 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 '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 INVITE request from the own 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 INVITE 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 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:		
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv'. 		
SIP Parameter values	INVITE 1: SDP o line: version number incremented a=sendonly		
	INVITE 2: SDP o line: version number incremented		
Comments	a=sendrecv		
Message flows	Mx SUT Ic		
	An active session is already established		
	INVITE 1 → INVITE 1		
	200 OK INVITE ← 200 OK INVITE		
	ACK → ACK		
	INVITE 2 INVITE 2		
	200 OK INVITE ← 200 OK INVITE ACK → ACK		
	ACK → ACK Apply post test routine		
	Apply post test foutilite		

TP number	IBCF_107_008		
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 vession is established and the version parameter in the o line of the sand the a attribute of the m line is set to 'sendonly', an UPDATE require network:	SDP is incremented	
	 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 vession is established and the version parameter in the o line of the sand the a attribute of the m line is set to 'sendrecv', an UPDATE requester network:	SDP is incremented	
	 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 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 number incremented a=sendonly		
	UPDATE 2: SDP o line: version number incremented a=sendrecv		
Comments	u-soridiosv		
Message flows	Mx SUT	lc	
_	An active session is already established		
	UPDATE 1 → UPDATE 1		
	200 OK UPDATE ← 200 Ok	K UPDATE	
	UPDATE 2 → UPDA ⁻	TE 2	
	200 OK UPDATE ← 200 OF Apply post test routine	K UPDATE	
	1171		

TP number	IBCF_107_009	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	SUBSCRIBE with 'message-su	mmary' event package suppor	rted	
Test Purpose	When the IBCF receives a SUE	SSCRIBE request from the own	n network the:	
	 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 oth	A SUBCRIBE is sent to the other network containing the MWI related headers as received		
	from the own network.			
SIP Parameter values	SUBCRIBE:			
	Event: message-summary			
	Expires: 7200			
	Accept: application/simple-message-summary			
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	Exit_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/1 AND PICS 7.2.3/8			
Test Purpose name	NOTIFY with message	summary MIME body suppor	ted		
Test Purpose	When the IBCF receive	When the IBCF receives a NOTIFY request from the own network the:			
	Subscription-SContent-Type I	 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:				
	Subscription	age-summary n-State: active; expires=7200 ne: application/simple-messag Vaiting: yes	e-summary		
Comments					
Message flows	Mx NOTIFY 200 OK NOTIFY	SUT → ←	Ic → NOTIFY ← 200 OK NOTIFY		

TP number	IBCF_107_011	Refe	rence		12 [3]	
TSS reference	Exit_Point/scr/ss/othe	er				
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 rec	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		SUT		lc	
	INVITE	→		→	INVITE	
	603 Decline	←		←	603 Decline	
	ACK	→		→	ACK	

TP number	IBCF_107_012	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 PIC	S 7.2.3/9			
Test Purpose name	603 containing a Rea	son header in case o	of OCB received			
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 ACK	→ ← →	SUT → ←	IC INVITE 603 Decline ACK		

TP number	IBCF_107_013	Referen	ice	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 AI	ND PICS 7.2.3/10			
Test Purpose name	486 containing a Call	-Info header is sup	ported			
Test Purpose	purpose parameter se network ensure that a	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">Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any></th></sip<>	Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>				
Comments						
Message flows	Mx SUT Ic					
	INVITE	→	→	INVITE		
	486 Busy Here	←	←	486 Busy Here		
	ACK	→	→	ACK		

TP number	IBCF_107_014	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	7.2.3/11			
Test Purpose name	180 containing a Call-li	nfo header is supported				
Test Purpose	with purpose paramete network ensure that a	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:[a< th=""><th colspan="5">180: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any></th></sip:[a<>	180: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>				
Comments			•			
Message flows	Mx SUT Ic					
	INVITE	→	→ INVITE			
	180 Ringing	←	← 180 Ringing			
		Apply post tes	t 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 PI	CS 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 other network in early dialogue ensure that the 199 Early Dialog Terminated is sent to the own network.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	Ic		
	INVITE	→ →	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	7.2.1/1 AND (PICS 7.2.3/11 C	R PICS 7.2.3/10)			
Test Purpose name	SUBSCRIBE and NOTIFY for	Call Completion is supported	·			
Test Purpose	When the IBCF receives a SU	BSCRIBE request from the ov	n network and the			
	is set to 'BS' or 'NR'	·	mpletion' and the m parameter			
	 Event header is set to 	'call-completion'				
	ensure that a SUBSCRIBE red	quest is sent to the other netwo	ork containing the received			
	Call-Info and Event header.					
	When the IBCF receives a NO • Event header is set to		etwork and the			
	 Content-Type header 	is set to application/call-compl	etion			
	 cc-state MIME parame 					
		IME parameter is set to true				
	ensure that a NOTIFY request		ntaining the Event header and			
	the 'cc-' MIME body as receive	ed from the other network.				
SIP Parameter values	SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR</sip:[any>					
			etion; m=BS or m=NR			
	Event: call-completion					
	NOTIFY:					
	Event: call-completion					
		ication/call-completion				
	cc-state: queued					
	cc-service-retention: true					
Comments						
Message flows	Mx	SUT	lc CURCORINE			
	SUBSCRIBE 303 Accorded	=	SUBSCRIBE			
	202 Accepted	·	202 Accepted			
	NOTIFY	•	NOTIFY			
	200 OK NOTIFY	· -	200 OK NOTIFY			

TP number	IBCF_107_017	Reference	12 [3]				
TSS reference	Exit_Point/scr/ss/othe	Exit Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND NO	OT PICS 7.2.1/1 AND (PICS	7.2.3/11 OR PICS 7.2.3/10)				
Test Purpose name	NOTIFY for Call Com	pletion is supported	·				
Test Purpose	 Event header Content-Type cc-state MIME set to 'termina' ensure that a NOTIFY 	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 other network containing the Event header					
SIP Parameter values	NOTIFY:	dy as received from the own	Hetwork.				
on rarameter values	Event: call- Content-Ty cc-state or	Event: call-completion Content-Type: application/call-completion cc-state: ready					
Comments							
Message flows	Mx NOTIFY 200 OK NOTIFY	SUT → ←	Ic → NOTIFY ← 200 OK NOTIFY				

TP number	IBCF_107_018	Reference 12 [3	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 PIC	S 7.2.3/10)		
Test Purpose name	PUBLISH for Call Completion	s supported	·		
Test Purpose	When the IBCF receives a PU	BLISH request from the own network	and the		
	 Event header is set to 	presence			
	 Call-Info header purpo is set to 'BS' or 'NR' 	se parameter is set to 'call-completion	on' and the m parameter		
	 Content-Type header i 	s set to application/pidf+xml			
	XML MIME body with 6	element 'presence' and status/basic	element set to 'closed'		
	or 'open'				
		st is sent to the other network contain	ning the Call-Info header		
		as received from the own network.			
SIP Parameter values	PUBLISH:				
	Event: presence				
	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"?				
	<pre><pre><pre><pre></pre></pre></pre></pre>				
	<status></status>				
	<basic>close</basic>	ed			
	or				
_	<basic>oper</basic>				
Comments					
Message flows	Mx	SUT	Ic		
	PUBLISH -	→ PUB	LISH		
	200 OK PUBLISH ←	← 200	OK PUBLISH		

TP number	IBCF_107_019	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/othe	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 Con	npletion information is suppor	ted			
Test Purpose	to 'BS' or 'NR' is pres parameter set to 'call INVITE request is se	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 Ic					
	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 (PI	CS 7.2.3/12 OR PICS 7.2.3/1	3) AND PICS 7.2.3/20			
Test Purpose name	Support of REFER wi	th Referred-By header and Re	eplaces 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 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 a	Iready established.				
Message flows	Mx SUT Ic A session is already established					
	REFER 202 Accepted	→ ← Apply post test r	→ REFER← 202 Accepted			

TP number	IBCF_107_020A	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND (PICS 7	7.2.3/12 OR PICS 7.2.3/13	3) AND NOT PICS 7.2.3/20
Test Purpose name	No support of REFER met	hod	
Test Purpose			ive session from the own network the nted unsuccessful final response to the
SIP Parameter values	Referred-By: [a	ny ŪRI]	nces=[any dialogue identifier value]
Comments	An active session is alread	ly established.	
Message flows	Mx	SUT	lc
		A session is already e	stablished
	REFER	→	
	CASE A 405 Method not allowed	←	
	CASE B 500 Server Internal Error	←	
	CASE C 501 Not implemented	←	
	CASE D 403 Forbidden	← Apply post test ro	outine

TP number	IBCF_107_021	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND (PICS 7.2.3/	12 OR PICS 7.2.3/13) AND PI	ICS 7.2.3/20		
Test Purpose name	Support of NOTIFY with 'applic	ation/sipfrag' MIME body			
Test Purpose	When the IBCF receives a NO				
	body is present a NOTIFY is se		e sipfrag MIME body is		
	present as received from the over	wn network.			
SIP Parameter values	NOTIFY:				
	Content-Type: mess	age/sipfrag			
	SIP/2.0 100 Trying				
	or				
	SIP/2.0 200 OK				
Comments	A active session is already esta	ablished and a REFER request	t was received from the other		
	network	·			
Message flows	Mx	SUT	Ic		
	A session is already established and REFER was sent				
	NOTIFY →	→	NOTIFY		
	200 OK NOTIFY ←	+	200 OK NOTIFY		
		Apply post test routine			

TP number	IBCF_107_022	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 7.2.3/13		
Test Purpose name	INVITE containing a recipient-l	ist supported		
Test Purpose	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 present.			
SIP Parameter values	INVITE: Content-Type: application/resource-lists+xml xml version="1.0" <resource-lists <li list> <entry <="" <entry="" and="" identifier]="" li="" session="" uri=""> <pre> </pre></entry>			
Comments				
Message flows	Mx INVITE →	SUT Apply post test routine	Ic INVITE	

TP number	IBCF_107_023	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.3/13			
Test Purpose name	200 OK INVITE contain	ning 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: <si< th=""><th colspan="4">200 OK: Contact: <sip:[any uri]="">;isfocus</sip:[any></th></si<>	200 OK: Contact: <sip:[any uri]="">;isfocus</sip:[any>			
Comments					
Message flows	MX INVITE 200 OK INVITE ACK	SUT → ← → Apply post test	Ic → INVITE ← 200 OK INVITE → ACK routine		

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' pa	arameter	
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 th="" u<=""><th>RI]>;isfocus</th><th></th></sip:[any>	RI]>;isfocus	
Comments			
Message flows	Mx	SUT	Ic
	INVITE →	→	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 ev	ent 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: conferen	ce			
Comments					
Message flows	Mx	Mx SUT Ic			
	A	session is already establish	ed		
	SUBSCRIBE =	→	SUBSCRIBE		
	202 Accepted	·	202 Accepted		
	NOTIFY	·	NOTIFY		
	200 OK NOTIFY	→	200 OK NOTIFY		
		Apply post test routine			

TP number	IBCF_107_026	Reference	12 [3]		
TSS reference	Exit Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	13 AND PICS 7.2.3/19			
Test Purpose name	NOTIFY for conference event	package is supported			
Test Purpose	When the IBCF receives a NOTIFY request from the other network after the conference				
	package was subscribed conta	aining a conference info XML N	MIME body, ensure that a		
	NOTIFY is sent to the own network and the conference info XML MIME body is present as				
	received from the other network	·k.			
SIP Parameter values	NOTIFY:				
	Event: conference				
	Subscription-State:				
		erence-info+xml:			
	<conference< th=""><th></th><th></th></conference<>				
	entity=[ai				
		nce-state>			
		r-count>2			
	<active>true</active>				
	<users> <user entity="[any" th="" uri]<=""></user></users>				
	<pre><pre></pre><pre></pre><pre><endpoint entity="=[any" pre="" uri]<=""></endpoint></pre></pre>				
	<pre><status>connected</status></pre>				
	<status>connected</status> <joining-method>dialed-in</joining-method>				
		<media <="" id="1" th=""><th>joning methods</th></media>	joning methods		
		<status>sendrecv<th>S></th></status>	S>		
Comments					
Message flows	Mx	SUT	lc		
		session is already establish	ed		
		erence notification is subsc			
	NOTIFY *	·	NOTIFY		
	200 OK NOTIFY		200 OK NOTIFY		
		Apply post test routine	-		

TP number	IBCF_107_027	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other	Exit Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND AND PICS 7	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 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	INVITE: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0" cug networkIndicator [any value]< cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<				
Comments					
Message flows	Mx	SUT	lc		
	INVITE →	→	INVITE		
	Apply post test routine				

TP number	IBCF_107_028	Reference	12 [3]	
TSS reference	Exit_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1	I AND PICS 7.2.3/14		
Test Purpose name	Support of INVITE containing a	CUG request		
Test Purpose	When the IBCF receives an IN			
	outgoingAccessRequest, cugIn		the other network containing	
	the CUG XML body received from	om the own network.		
SIP Parameter values	INVITE:			
	Content-Type: application/vnd.etsi.cug+xml			
	Content-Disposition: handling= required			
	xml version="1.0"</th			
	cug			
	cugCallOperation			
	outgoingAcce	essRequest>true<		
	cuglndex>[any value]<			
Comments				
Message flows	Mx	SUT	lc	
	INVITE →	→	INVITE	
	Apply post test routine			

TP number	IBCF 107 029	Reference	12 [3]	
TSS reference	Exit Point/scr/ss/other		1.= [6]	
Selection criteria	PICS 7.1.1/3 AND NOT PICS 7	7.2.3/14		
Test Purpose name	No support of INVITE containing	g a CUG request		
Test Purpose	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	INVITE 1: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0" cug networkIndicator [any value]< cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<			
Comments	_			
Message flows	Mx	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 7.2.3/1	4			
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 other network containing a CUG request, ensure that the 403 final response I sent to the own network.				
SIP Parameter values	INVITE: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0" cug networkIndicator [any value]< cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<				
Comments					
Message flows	Mx SUT Ic INVITE → INVITE				
	INVITE → 403 Forbidden ← ACK →	→ + →	INVITE 403 Forbidden ACK		

TP number	IBCF_107_031	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other	Exit Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	/14				
Test Purpose name	Support of 603 final response					
Test Purpose		When the IBCF receives a 603 Decline final response from the other network upon an				
			a CUG request, ensure that the			
	603 final response I sent to th	e own network.				
SIP Parameter values	INVITE:					
		ication/vnd.etsi.cug+xml				
	Content-Disposition	n: handling= required				
	xml version="1.0</th <th colspan="4"><?xml version="1.0"</th></th>	xml version="1.0"</th				
	cug					
		networkIndicator>[any value]<				
	cugInterlockBinaryCode>[any value]<					
	cugCommunica	cugCommunicationIndicator>11<				
Comments						
Message flows	Mx SUT Ic					
	INVITE	· -	NVITE			
	603 Decline	-	► 603 Decline			
	ACK =	-	→ ACK			

TP number	IBCF_107_032	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/1	4	
Test Purpose name	Support of 500 final response		
Test Purpose	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 se		nammig a 300 requeet, encure
SIP Parameter values	INVITE:		
	Content-Disposition: xml version="1.0" cug networkIndicator:</th <th>>[any value]< ryCode>[any value]<</th> <th></th>	>[any value]< ryCode>[any value]<	
Comments			
Message flows	Mx INVITE → 500 Server Internal Error ← ACK	SUT -	Ic INVITE 2

TP number	IBCF_107_033	Reference	12 [3]		
TSS reference	Exit_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS	PICS 7.1.1/3 AND PICS 7.2.1/1 AND PICS 7.2.3/15			
Test Purpose name	INVITE containing AOC	C-S info supported			
Test Purpose		When the IBCF receives an INVITE request from the own (home) network and a AOC-S			
			request is sent to the other (visited)		
		S XML body is contained as r	eceived from the own network.		
SIP Parameter values	INVITE:				
		e: application/vnd.etsi.aoc+x	ml		
	xml version</th <th>on="1.0"</th> <th></th>	on="1.0"			
	aoc				
	aoc-s				
		ged-items			
	CC	ommunication-setup			
		basic			
	price-time				
		currency-id			
		currency-amount			
		length-time-unit			
Comments		charging-type			
Comments	Bass	CUT			
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	100 Trying	←			
		Apply post test ro	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 su	pported	
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		twork and the AOC-S XML
	body is contained as received	from the other network.	
SIP Parameter values	183:		
	Content-Type: appl	cation/vnd.etsi.aoc+xml	
	xml version="1.0</th <th>1</th> <th></th>	1	
	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 -		INVITE
	183 Session Progress ★	·	183 Session Progress
		Apply post test routine	

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 sup	ported	
Test Purpose	When the IBCF receives a 180 Ringing provisional response from the other (home) network and a AOC-S XML MIME body is present, ensure that a 180 Ringing provisional response is sent to the own (visited) network and the AOC-S XML body is contained as		
	received from the other networ	k.	
SIP Parameter values	180:		
	Content-Type: appli	cation/vnd.etsi.aoc+xml	
	xml version="1.0"</th <th></th> <th></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 ->	→	INVITE
	180 Ringing ←	←	180 Ringing
		Apply post test routine	

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	200 OK INVITE containing AOC-S info supported			
Test Purpose		When the IBCF receives a 200 OK INVITE final response from the other (home) network		
		y is present, ensure that a 200		
		ork and the AOC-S XML body i	s contained as received from	
	the other network.			
SIP Parameter values	200 OK:			
		ication/vnd.etsi.aoc+xml		
	xml version="1.0</th <th>"</th> <th></th>	"		
	aoc			
	aoc-s			
	charged-iter			
	communication-setup			
	basic			
	price-time			
		currency-id		
		currency-amount		
		length-time-unit		
		charging-type		
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_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 t	hat a INFO request is sent to t	he own (visited) network and	
	the AOC-D XML body is contain	ned as received from the other	network.	
SIP Parameter values	INFO:			
	Content-Type: applic	cation/vnd.etsi.aoc+xml		
	xml version="1.0"</th <th></th> <th></th>			
	aoc			
	aoc-d	aoc-d		
	charging-info			
	recorded-charges			
	recorded-currency-units			
	currency-id 2			
	curren	cy-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	IBCF_107_038	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	BYE containing AOC-E info sur	BYE containing AOC-E info supported		
Test Purpose	When the IBCF receives a BYE request from the other (home) network containing a AOC-E XML MIME body is present, ensure that the BYE request sent to the own (visited) contains the AOC-D XML MIME body as received from the other network.			
SIP Parameter values	Contains the AOC-D XML MIME body as received from the other network. BYE: Content-Type: application/vnd.etsi.aoc+xml xml version="1.0" aoc aoc-e recorded-charges recorded-currency-units currency-id currency-amount</th			
Comments		-		
Message flows	Mx SUT Ic			
	As	A session is already established		
	BYE ←	←	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	When the IBCF receives a 200 OK BYE response from the other (home) network containing a AOC-E XML MIME body is present, ensure that the 200 OK BYE response			
	sent to the own (visited) contain network.			
SIP Parameter values	200 OK BYE:			
	Content-Type: applic	cation/vnd.etsi.aoc+xml		
	xml version="1.0"</th <th></th> <th></th>			
	aoc			
	aoc-e			
	recorded-charges			
	recorded-currency-units			
	currency-id **			
	curren	cy-amount		
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_107_040	Reference	12 [3]	
TSS reference	Exit_Point/scr/ss/othe	r		
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/15		
Test Purpose name	INVITE containing the	capability for network chargi	ng is supported	
Test Purpose	header is set to 'applic	res an INVITE request from the cation/vnd.etsi.sci+xml ensur ining the Accept header as re	e that an INVITE is sen	t to the other
SIP Parameter values	INVITE: Accept: app	olication/vnd.etsi.sci+xml		
Comments				
Message flows	Mx INVITE	SUT Apply post test i	→ INVITE	lc

TP number	IBCF_107_041	Reference	12 [3]			
TSS reference	Exit_Point/scr/ss/other	Exit Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2	2.1/1 AND PICS 7.2.3/15				
Test Purpose name	The response code 504 is s	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 INVITE 504 Server Time-out ACK	SUT → ← →	Ic → INVITE ← 504 Server Time-out → ACK			

TP number	IBCF_107_042
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:
SIP Parameter values	Content-Type: application/vnd.etsi.sci+xml Content-Disposition: render; handling=optional
	originationIdentification
Commonto	currency
Comments Message flows	Mx SUT Ic
Message flows	
	A session is already established INVITE 183 Session Progress PRACK 200 OK PRACK Apply post test routine A session is already established → INVITE 183 Session Progress → PRACK 200 OK PRACK
	- The Abrahamia

TP number	IBCF_107_043	Reference	12 [3]		
TSS reference		Reference	12 [8]		
	Exit_Point/scr/ss/other	/4.0			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3				
Test Purpose name	180 containing a 'crgt' XML ele				
Test Purpose		Ringing provisional response			
		nt containing 'crgt' element, en			
	XML MIME body is contained	in the sent 180 Ringing to the	own network.		
SIP Parameter values	180:				
	Content-Type: appl	ication/vnd.etsi.sci+xml			
	Content-Disposition	: render; handling=optional			
	xml version="1.0</th <th>"</th> <th></th>	"			
	messageType				
	crgt				
	I — —	ntrolIndicators			
		teChangeOfActuallyAppliedTa	riff		
	delayUnt				
	tariffCurrence				
		ariffCurrency			
		nunicationChargeSequenceCu	irrency		
			inency		
		urrencyFactorScale			
		currencyFactor			
		currencyScale			
		riffDuration			
		ubTariffControl			
		Controllndicators			
		ttemptChargeCurrency			
		currencyFactor			
	currencyScale				
	callSetupChargeCurrency				
		currencyFactor			
		urrencyScale			
	tariffSwit	chCurrency			
	nextT	nextTariffCurrency			
	CC	communicationChargeSequenceCurrency			
	currencyFactorScale				
	currencyFactor				
		currencyScale			
		tariffDuration			
		subTariffControl			
	ta	riffControlIndicators			
		allAttemptChargeCurrency			
		currencyFactor			
		currencyScale			
	C	allSetupChargeCurrency			
		currencyFactor			
		currencyScale			
	tariff	SwitchOverTime			
	originationId				
	currency	S. I. I. Octobri			
Comments	Carronay				
Message flows	Mx	SUT	lc		
		session is already establish	_		
	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	When the IBCF receives a 200 OK INVITE final response from the other network and XML MIME body is present containing 'crgt' element, ensure that the received 'crgt' X MIME body is contained in the sent 200 OK INVITE to the own network.				
SIP Parameter values	200 OK:				
	Content-Type: application/vnd.etsi.sci+xml				
	Content-Disposition: render; handling=optional				
	<pre><?xml version="1.0" messageType</pre></pre>				
	crgt				
	chargingControlIndicators				
	immediateChangeOfActuallyAppliedTariff				
	delayUntilStart				
	tariffCurrency				
	currentTariffCurrency				
	communicationChargeSequenceCurrency				
	currencyFactorScale				
	currencyFactor				
	currencyScale				
	tariffDuration subTariffControl				
	tariffControllndicators				
	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				
	INVITE → INVITE				
	180 Ringing ← 180 Ringing				
	200 OK INVITE ← 200 OK INVITE				
	Apply post test routine				

TP number	IBCF_107_045	Reference	12 [3]
TSS reference	Exit_Point/scr/ss/o	ther	
Selection criteria	PICS 7.1.1/3 AND		
Test Purpose name		crgt' XML element is supported	
Test Purpose	When the IBCF red is present containing	ceives a BYE request from the other rang 'crgt' element, ensure that the rece	
SIP Parameter values	BYE:	ent BYE request to the own network.	
	Content Content xml v<br messag	-Type: application/vnd.etsi.sci+xml -Disposition: render; handling=option ersion="1.0" eType	al
		hargingControlIndicators immediateChangeOfActuallyApplie delayUntilStart ariffCurrency	edTariff
		currentTariffCurrency communicationChargeSequence currencyFactorScale currencyFactor currencyScale	ceCurrency
		tariffDuration subTariffControl tariffControlIndicators	
		callAttemptChargeCurrency currencyFactor currencyScale callSetupChargeCurrency	
		currencyFactor currencyScale tariffSwitchCurrency	
		nextTariffCurrency communicationChargeSequ currencyFactorScale	uenceCurrency
		currencyFactor currencyScale tariffDuration	
		subTariffControl tariffControlIndicators callAttemptChargeCurrency	,
		currencyFactor currencyScale callSetupChargeCurrency	
		currencyFactor currencyScale tariffSwitchOverTime	
		originationIdentification currency	
Comments	<u> </u>	Milonoy	
Message flows	Mx	SUT	lc
		A session is already estal	
	BYE	←	← BYE
	200 OK BYE	→	→ 200 OK BYE
	ZUU UN DIE	7	✓ 200 ON DIE

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			
Toot i di poss	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:			
on rarameter values	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			
	currencyScale			
	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			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	16		
Test Purpose name	INFO containing a 'aocrg' XML	INFO containing a 'aocrg' XML element is supported		
Test Purpose	When the IBCF receives an IN			
	body is present containing 'aod			
	body is contained in the sent II	NFO request to the own netwo	ork.	
SIP Parameter values	INFO:			
	Content-Type: appli	cation/vnd.etsi.sci+xml		
	Content-Disposition	render; handling=optional		
	xml version="1.0"</th <th></th> <th></th>			
	messageType			
	aocrg			
		trolIndicators		
		eChangeOfActuallyAppliedTa	riff	
	delayUnt			
	addOnCharge			
	addOnChargeCurrency			
		ncyFactorScale		
		rrencyFactor		
		rrencyScale		
	originationIde	entification		
	currency			
Comments				
Message flows	Mx	SUT	Ic	
		session is already establish		
	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	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 PICS 7.1.1/1			
Test Purpose name	Encryption of Via header field			
Test Purpose	When an IBCF receives SIP R			
	encrypt the all Via header field	ds identifying the network entiti	es. All received Via header	
	entries are result in one encryp	ted Via header field.		
SIP Parameter values	REGISTER 1:VIA: SIP/2.0/[tra			
		nsport] [any URI 2];branch=[ar		
	VIA: SIP/2.0/[tra	nsport] [user URI] ;branch=[an	y]	
	REGISTER 2:VIA: SIP/2.0/[tra			
	SIP/2.0/[trail	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/[transpor	t] [user URI] ;branch=[any]	
Comments				
Message flows	Mx	SUT	lc	
	REGISTER 1 →	→	REGISTER 2	
	200 OK (REGISTER) ←	←	200 OK (REGISTER)	
		Apply post test routine		

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/	PICS 7.2.1/1 AND PICS 7.1.1/1		
Test Purpose name	Encryption of Path header field			
Test Purpose	When an IBCF receives SIP REGISTER request from within its own network, it shall add its own routable SIP URI to the top of the Path header The received Path entries are encrypted .			
SIP Parameter values	REGISTER 1: Path: <sip:[any 1]="" uri="">; REGISTER 2: Path: <sip:[uri ibcf]="" of="" tokenized-by="[ar</th"><th> >;lr , sip:Token(<sip:[any th="" uri<=""><th>1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any></th></sip:[any></th></sip:[uri></sip:[any>	>;lr , 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>	
Comments				
Message flows	Mx REGISTER 1 → 200 OK (REGISTER) ←	SUT → ← Apply post test routine	Ic REGISTER 2 200 OK (REGISTER)	

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 20		
	move the topmost Via header	and decrypt the all Via heade	r fields identifying the network
	entities.		
SIP Parameter values	200 OK 1: VIA: SIP/2.0/[transp	ort] [URI of IBCF],	
	SIP/2.0/[transp	ort] Token(SIP/2.0/[transport] [
			any URI 2];branch=[any];
	tokenized-by=[any host],		
	SIP/2.0/[transport] [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/[transport] [user URI];branch=[any]		
Comments			
Message flows	Mx	SUT	Ic
	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	PICS 7.2.1/1 AND PICS 7.1.1/1		
Test Purpose name	Decryption of Path header	field		
Test Purpose	remove its own routable S	When an IBCF receives SIP 200 OK REGISTER response from the other network, it shall remove its own routable SIP URI from the top of the Path header The received Path header entries are decrypted .		
SIP Parameter values	tokenized-by		any URI 1]>;lr, <sip:[any 2]="" uri="">;lr),</sip:[any>	
Comments		· · · · · · · · · · · · · · · · · · ·		
Message flows	Mx REGISTER 200 OK (REGISTER) 1	SUT → ← Apply post test ro	lc → REGISTER ← 200 OK (REGISTER) 1 outine	

6.1.4.2 Basic call requirements

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	PICS 7.1.1/1			
Test Purpose name	Encrypt all Via headers in the	Encrypt all Via headers in the initial INVITE			
Test Purpose	When an IBCF receives an ini				
	encrypts all received Via head request. All received Via head		the IBCF prior to forwarding the encrypted Via header field.		
SIP Parameter values	INVITE 1: VIA: SIP/2.0/[transp	ort] [any URI 1];branch=[a	any]		
		ort] [any URI 2];branch=[a			
	VIA: SIP/2.0/[transp	ort] [user URI] ;branch=[a	ny]		
	INVITE 2: VIA: SIP/2.0/[transp				
	SIP/2.0/[transp	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=[a			
		SIP/2.0/[transpo	ort] [user URI] ;branch=[any]		
Comments	TP_IMST2_IC_INI_01				
Message flows	Mx	SUT	lc		
	INVITE1	•	→ INVITE 2		
	100 Trying	•			
		Apply post test routing	ne		

TP number	IBCF 109 002	Reference	5.10.2.2, 2B), 5.10.4.3 [1]	
TSS reference	Exit Point/nch/bcall	T. C. C. C. C. C.	0.10.2.2, 23), 0.10.1.0[1]	
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received Via header in the 180 Ringing			
Test Purpose	When an IBCF receives a 180	Ringing provisional response	from the other network to a	
	forwarded initial INVITE reques	st and network topology hiding	is required it shall decrypt the	
	Via header URIs when forward	ing to the own network.		
SIP Parameter values	180 1: VIA: SIP/2.0/[transport]	[URI of IBCF],		
		Token(SIP/2.0/[transport] [any	URI 1]:branch=[anv].	
		(SIP/2.0/[transport] [any		
		tokenized-by=[any host]		
	SIP/2.0/[transport] [URI user];branch=[any]			
	on /2.0/[uansport] [ord 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 Ic			
	INVITE ->	→	INVITE	
	180 Ringing 2 ← 180 Ringing 1			
	Apply post test routine			

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 head	ler in the 200 OK INVITE			
Test Purpose		OK INVITE final response from			
		forwarded initial INVITE request and network topology hiding is required it shall decrypt the			
	Via header URIs when forwar	ding to the own network.			
SIP Parameter values	200 1: VIA: SIP/2.0/[transport				
	SIP/2.0/[transport	Token(SIP/2.0/[transport] [any			
		(SIP/2.0/[transport] [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],				
Comments	SIP/2.0/[transport] [user URI];branch=[any]				
Comments	IUT configured for topolog TD IMSTA IC INIT 03	gy niaing			
Message flows	TP_IMST2_IC_INI_03 Mx	SUT	Ic		
Wessage nows	INVITE		INVITE		
	180 Ringing 200 OK INVITE 2	=	180 Ringing 200 OK INVITE 1		
	non 2 non				
		Apply post test routine			

TP number	IBCF_109_004	Reference	5.10.2.2 2B), 5.10.4.2 [1]		
TSS reference	Exit_Point/nch/bcall	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 AC	When an IBCF receives an ACK request from within its own network it encrypts all			
	received Via header URIs exce received Via header entries are		or to forwarding the request. All /ia 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	SUT	lc		
	INVITE -		→ INVITE		
	180 Ringing ←		← 180 Ringing		
	200 OK INVITE ←		← 200 OK INVITE		
	ACK 1 → ACK 2				
		Apply post test routing	е		

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 in the E	BYE			
Test Purpose	When an IBCF receives an SIP BYE request from within its own network and subsequent				
	to an initial request it shall add	its own URI as the topmost Via	a header and encrypt all other		
	Via header prior to forwarding t	he request to other networks.	All received Via header		
	entries are result in one encryp	ted Via header field.			
SIP Parameter values	BYE: 1: VIA: SIP/2.0/[transpo				
	VIA: SIP/2.0/[transpo	ort] [any URI 2];branch=[any]			
	VIA: SIP/2.0/[transpo	ort] [user URI] ;branch=[any]			
	SIP/2.0/[transpo	ort] Token(SIP/2.0/[transport] [a			
	(SIP/2.0/[transport] [any URI 2];branch=[any];				
	tokenized-by=[any host],				
			ser URI] ;branch=[any]		
Comments	IUT configured for topology hid	ing			
	TP_IMST2_IC_SUB_01				
Message flows	Mx	SUT	lc		
	A confir	med dialogue is already esta	blished		
	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]	
TSS reference	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received Via head	Decrypt the received Via header in the 200 OK BYE		
Test Purpose	When an IBCF receives a 200	•		
	Bye request and network topol		decrypt the Via header URIs	
	when forwarding to the own ne			
SIP Parameter values	200 1: VIA: SIP/2.0/[transport]			
	SIP/2.0/[transport]	Token(SIP/2.0/[transport] [an		
		(SIP/2.0/[transport] [ang		
	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	Ic	
	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 ar	n SIP CANCEL request fro	m within its own network and		
	subsequent to an initial red	quest it shall add its own U	RI as the topmost Via header and		
			equest to other networks. All received		
	Via header entries are res	ult in one encrypted Via he	eader field.		
SIP Parameter values		0/[transport] [any URI 1];bra			
		0/[transport] [any URI 2];bra			
	VIA: SIP/2.0	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],				
0	IIIT and		nsport] [user URI] ;branch=[any]		
Comments	IUT configured for topolog	ly niaing			
Magazara flavos	TP_IMST2_IC_SUB_01	CUT			
Message flows	Mx SUT Ic				
	An early dialogue is already established				
	CANCEL 1)	→ CANCEL 2		
	200 OK CANCEL ← 200 OK CANCEL				
	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 heade	er in the 200 OK CANCEL		
Test Purpose	When an IBCF receives a 200	OK CANCEL response from the	ne other network to a	
	forwarded Bye request and net	1 07 0 1	d it shall decrypt the Via	
	header URIs when forwarding t	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		
		(SIP/2.0/[transport] [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		
Test Purpose name	Encrypt all Via headers in the l	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/[tra	nsport] Token(SIP/2.0/[transp (SIP/2.0/[transp tokenized-by=[a	ort] [any URI 1];branch=[any], ort] [any URI 2];branch=[any]; iny host], ort] [user URI] ;branch=[any]
Comments	TP_IMST2_IC_STA_01	-	
Message flows	Mx	SUT	lc
	MESSAGE 1	· -	MESSAGE 2
	200 OK MESSAGE	• •	200 OK MESSAGE

TP number	IBCF_109_010	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				
Test Purpose name	Encrypt all Via heade	rs in the target refresh IN	/ITE		
Test Purpose			st or periodic refreshment of the session a SIP 100 response, add its own URI to		
			rs prior to forwarding the request to other		
			esult in one encrypted Via header field.		
SIP Parameter values	INVITE 1: VIA: SIP/2	.0/[transport] [any URI 1];I	oranch=[any]		
		.0/[transport] [any URI 2];I			
	VIA: SIP/2	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];			
			zed-by=[any host],		
	U.T. 6. 16.4	SIP/2.0/[transport] [user URI] ;branch=[any] IUT configured for topology hiding			
Comments	TP_IMST2_IC_TAR_	0.			
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 Via head	er in the target refresh 200 OK	INVITE
Test Purpose	When an IBCF receives a 200	OK INVITE final response upo	n a target refresh request or
	periodic refreshment of the ses		
		hiding is required it shall decry	ot the Via header URIs when
	forwarding to the own network.	•	
SIP Parameter values	200 1: VIA: SIP/2.0/[transport]		
	SIP/2.0/[transport]	Token(SIP/2.0/[transport] [any	
		(SIP/2.0/[transport] [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],		
		[any URI 1];branch=[any],	
Comments	SIP/2.0/[transport] [user URI];branch=[any] IUT configured for topology hiding		
Comments	TP_IMST2_IC_INI_03	ly fliding	
Message flows	Mx	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		

	l.= 0=		In .	- 40 0 0 E 40 4 0 F41	
TP number	IBCF_109	9_012	Reference	5.10.2.3, 5.10.4.2 [1]	
TSS reference	Exit_Poin	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.	1/1			
Test Purpose name	Encrypt a	II Via headers in the t	arget refresh ACK		
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 SUT Ic A confirmed dialogue is already established from the own network NVITE → INVITE				
	200 OK II ACK 1	=	•	← 200 OK INVITE → ACK 2	
	Apply post test routine				

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-Rou	ute headers in the initial INVI	TE
Test Purpose	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	INVITE 1: Record-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr INVITE 2: 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></sip:[any></sip:[any>		
Comments			
Message flows	Mx INVITE1 100 Trying	SUT → ← Apply post test re	lc → INVITE 2

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 Record-R	oute header in the 180 Ringin	g	
Test Purpose	When an IBCF receives a 180			
	forwarded initial INVITE reques	st and network topology hiding	is required it shall decrypt the	
	Record-Route header URIs wh	en forwarding to the own netw	ork.	
SIP Parameter values	180 1: Record-Route: <sip:[uri ibcf]="" of="">;lr,</sip:[uri>			
	sip:Token(<sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr),</sip:[any></sip:[any>			
	tokenized-by=[any host]			
	180 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 2 ←	←	180 Ringing 1	
	Apply post test routine			

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			ponse from the other network to a	
	forwarded initial INVITE	E request and network topolo	ogy hiding is required it shall decrypt the	
	Record-Route header I	URIs when forwarding to the	own network.	
SIP Parameter values	200 OK 1: Record-Route: <sip:[uri ibcf]="" of="">;lr,</sip:[uri>			
	sip:Token(<sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr),</sip:[any></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 routine			

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 in th	e ACK		
Test Purpose	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 Route header field.			
SIP Parameter values	ACK 1: Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr ACK 2: Route: <sip:[any 1]="" uri="">;lr, sip:Token(<sip:[any 2]="" uri="">;lr), tokenized-by=[any host]</sip:[any></sip:[any></sip:[any></sip:[any>			
Comments	URI 1 represents an entity in the other network URI 2 represents an entity in the own network			
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE ← ACK 1 →	SUT → ←	Ic INVITE 180 Ringing 200 OK INVITE ACK 2	

TP number	IBCF_109_017	Reference	5.10.2.3 4), 5.10.4.2 [1]		
TSS reference	Exit_Point/nch/bcall	Exit_Point/nch/bcall			
Selection criteria	PICS 7.1.1/1				
Test Purpose name	Encrypt all Route headers	s in the reINVITE			
Test Purpose	encrypts all received Rou one of the IBCF prior to for	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-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr INVITE 2: Record-Route: <sip:[any 1]="" uri="">;lr, sip:Token(<sip:[any 2]="" uri="">;lr), tokenized-by=[any host]</sip:[any></sip:[any></sip:[any></sip:[any>			
Comments	URI 1 represents an entity in the other network URI 2 represents an entity in the own network				
Message flows	Mx SUT Ic				
_	A confirmed dialogue is already established				
	INVITE1 → INVITE 2				
		Apply post test r	outine		

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	of an INVITE request fr	om the own network with a
	Request-URI with a scheme the	at it does not understan	d, sends an Unsupported URI
	Scheme (416 Unsupported UR	I Scheme) request failu	re response.
SIP Parameter values	INVITE: Request line got:[any 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 IN	VITE received	
Test Purpose	Ensure that the IBCF on rec	eipt of an INVITE reque	est from the own network including a
	Max-Forwards header set to	o 0, sends a Too many l	nops (483 Too many hops) request
	failure response.		
SIP Parameter values	INVITE:		
	Max-Forwards: 0		
Comments			
Message flows	Mx	SUT	Ic
	INVITE	→	
	483 Too many hops	←	
	ACK	→	

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 decrea	sed by one in INVITE	
Test Purpose		pt of an INVITE request from th	
	Max-Forwards header set to 5	5, forwards it to the other netwo	rk after having decreasing this
	counter of one.		
SIP Parameter values	INVITE 1:		
	Max-Forwards: 5		
	INVITE 2:		
	Max-Forwards: 4		
Comments			
Message flows	Mx	SUT	lc
	INVITE 1	→	INVITE 2
		Apply post test routine	

TP number	IBCF_110_004	Reference	5.10.5 [1] , 16.6 [19]
TSS reference	Exit_Point/alg/sip	<u> </u>	1
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 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	INVITE 1: INVITE 2: Max-Forwar	rds: 70	
Comments			
Message flows	Mx INVITE 1	SUT → Apply post test	ic → INVITE 2 routine

TP number	IBCF_110_005	Reference	5.10.5 [1], 16.6 [19]	
TSS reference	Exit_Point/alg/sip		10.0 [13]	
Selection criteria	PICS 7.1.1/2			
Test Purpose name	Max-Forwards header decreas	sed 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: 5 ACK 1: Max-Forwards: 4			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 1	• •	Ic INVITE 180 Ringing 200 OK INVITE ACK 2	
		Apply post test routine		

IBCF_110_006	Reference	5.10.5 [1], 16.6 [19]	
Exit_Point/alg/sip		1 - 1 - 1	
PICS 7.1.1/2			
Max-Forwards header	not received in ACK		
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.			
ACK 1: ACK 2: Max-Forwa	rds: 70		
Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT	IC INVITE 180 Ringing 200 OK INVITE ACK 2	
	Exit_Point/alg/sip PICS 7.1.1/2 Max-Forwards header Ensure that the IBCF of Max-Forwards header header with the value ACK 1: ACK 2: Max-Forwa Mx INVITE 180 Ringing 200 OK INVITE	Exit_Point/alg/sip PICS 7.1.1/2 Max-Forwards header not received in ACK Ensure that the IBCF on receipt of an ACK reque Max-Forwards header, forwards it to the other ne header with the value set to 70. ACK 1: ACK 2: Max-Forwards: 70 Mx SUT INVITE 180 Ringing 200 OK INVITE	

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		
	Request-URI with a scheme th	at it does not understand, s	ends an Unsupported URI
	Scheme (416 Unsupported UR	I Scheme) request failure re	esponse.
SIP Parameter values	CANCEL: Request line got:[an	y URI]	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	180 Ringing	←	► 180 Ringing
	CANCEL	→	
	416 Unsupported URI Scheme	←	
		Apply post test routine	

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 in	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: 0			
Comments				
Message flows	Mx INVITE 180 Ringing CANCEL 483 Too many hops	SUT	Ic → INVITE ← 180 Ringing	

TP number	IBCF_110_009	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 CANCEL	-			
Test Purpose			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 s	set to 70.				
SIP Parameter values	CANCEL 1:					
	CANCEL 2:					
	Max-Forwar	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 receip			
	Request-URI with a scheme the	at it does not understand, send	ds an Unsupported URI	
	Scheme (416 Unsupported UR	I Scheme) request failure resp	onse to the own network.	
SIP Parameter values	BYE: Request line got:[any U	RI]		
Comments				
Message flows	Mx	SUT	lc	
	A :	session is already establishe	ed	
	BYE →			
	416 Unsupported URI Scheme	←		
		Apply post test routine		

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 in E	BYE received	
Test Purpose		to 0, sends a Too many h	om the own network including a nops (483 Too many hops) request
SIP Parameter values	BYE: Max-Forwards:	0	
Comments			
Message flows	Mx	SUT	Ic
		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 decre	eased by one in BYE	
Test Purpose			om the own network including a
	Max-Forwards header set to counter of one.	o 5, forwards it to the oth	er network after having decreasing this
SIP Parameter values	BYE 1: Max-Forwards: 5		
	BYE 1: Max-Forwards: 4		
Comments			
Message flows	Mx	SUT	lc
		A session is already es	stablished
	BYE 1	→	→ BYE 2
		Apply post test ro	outine

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		on receipt of a BYE request, v g added a Max-Forwards head	vithout a Max-Forwards header, 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 e	stablished
	BYE 1	→	→ BYE 2
		Apply post test re	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 line URI	paramerter in INVITE	
Test Purpose	Ensure that the IBCF on receip		
	Request-URI containing a not		
	Request-URI before forwarding	g that message to the other net	work.
SIP Parameter values	INVITE 1: Request line [URI];	UnsupportedToken=Unsupport	edValue
	INVITE: Request line [URI]		
Comments	Trespect mile [OTA]		
Message flows	Mx	SUT	Ic
	INVITE 1 →	→	INVITE 2
		Apply post test routine	

TP number	IBCF_110_015	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 li	ne URI parameter in ACK	
Test Purpose	Request-URI containir		t from the own network, with the removes that parameter from the e other network.
SIP Parameter values	ACK 1: Request line ACK 2: Request line	e [URI] ;UnsupportedToken= e [URI]	=UnsupportedValue
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← ← Apply post test	IC INVITE 180 Ringing 200 OK INVITE ACK
		Apply post test	routine

TP number	IBCF_110_016	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 URI parameter in CANCI	L		
Test Purpose		Ensure that the IBCF on receipt of a CANCEL request from the own network with the			
	Request-URI containi	ing a not allowed parameter,	removes that parameter from the		
	Request-URI before f	forwarding that message to th	e other network.		
SIP Parameter values	CANCEL 1: Reques	st line [URI] ;UnsupportedTok	en=UnsupportedValue		
	CANCEL 2: Reques	st line [URI]			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ INVITE		
	180 Ringing	←	← 180 Ringing		
	CANCEL 1	→	→ CANCEL 2		
		Apply post test	routine		

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 URI	parameter in BYE	
Test Purpose	Ensure that the IBCF on receip		
	Request-URI containing a not a		
	Request-URI before forwarding	g that message to the other net	work.
SIP Parameter values	BYE 1:Request line [URI] ;Uns	upportedToken=Unsupported\	/alue
	BYE 2:Request line [URI]		
Comments			
Message flows	Mx	SUT	Ic
	A :	session is already establishe	ed
	BYE 1 →	→	BYE 2
		Apply post test routine	

TP number	IBCF_110_018	Reference	5.10.5 [1],
			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 transactior	n
Test Purpose		match to an existing clie	(200 OK INVITE) response from the other ent transaction with a single Via header, does
SIP Parameter values	200 OK INVITE: Csec	: [any value] NOTIFY	
Comments			
Message flows	Mx	SUT	T Ic
	INVITE	→	→ INVITE
	180 Ringing	(← 180 Ringing
			← 200 OK
		Apply post t	test routine

TP number	IBCF_110_019	Refere	ence	5.10.5 [1], 17.1.1.2 [19]
TSS reference	Exit_Point/alg/sip			17.11.12 [10]
Selection criteria	PICS 7.1.1/2			
Test Purpose name	The transaction enters	in the Proceed	ng state when 100 wa	as received
Test Purpose		g) response from		in the Calling state, on receipt nters in the Proceeding state.
SIP Parameter values	•			
Comments				
Message flows	Mx INVITE	→	SUT → ←	Ic INVITE 100 Trying
		Арр	y post test routine	

TP number	IBCF_110_020	Reference	5.10.5 [1], 17.1.1.2 [19]
TSS reference	Exit_Point/alg/sip		[2 [.0]
Selection criteria	PICS 7.1.1/2		
Test Purpose name	The transaction enters in the	Proceeding state when 183 v	vas received
Test Purpose		Session Progress) response fr	s in the Calling state, on receipt rom the other network enters in
SIP Parameter values			
Comments			
Message flows	Mx INVITE 183 Session Progress	SUT → ÷	1144111
		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 enters	in the Proceed	ing state when 180 v	was received
Test Purpose		ing) response f		s in the Calling state, on receipt rk enters in the Proceeding state.
SIP Parameter values				
Comments				
Message flows	Mx INVITE 180 Ringing	→ ←		Ic → INVITE ← 180 Ringing
		Арр	ly post test routine	•

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 PICS 7.2.4/1				
Test Purpose name	UDP Timeout timer A the INVITE is repeated				
Test Purpose		ite repeats its INVITE r	he IBCF, when an INVITE client equest to the other network on the		
SIP Parameter values					
Comments					
Comments					
	Mx	SUT	lc		
Message flows	Mx INVITE -		ic → INVITE		

TP number	IBCF_110_023	F	Reference		5.10.5 [1], 17.1.1.1 [1	191
TSS reference	Exit_Point/alg/sip	<u> </u>				
Selection criteria	PICS 7.1.1/2 AND PICS 7	7.2.4/2				
Test Purpose name	TCP Timeout timer A the	INVITE	is not repeated			
Test Purpose	If a reliable transport (TCF transaction is in the Callin on the timeout condition of	g state	does not repeat its	INVITE		
SIP Parameter values						
Comments						
Message flows	Mx INVITE	→	SUT Start A (T1) Timeout A	→	INVITE	lc
	Apply post test routine					

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 PIC	S 7.2.4/1	
Test Purpose name	UDP Second timeout t	imer A the INVITE is repeated	
Test Purpose	transaction is in the Ca	, ,	the IBCF, when an INVITE client eated its INVITE to the other network ding it again.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	Ic
_	INVITE	→	→ INVITE
		Start A (2*T1)	→ INVITE
		Timeout A Apply post test ro	→ INVITE utine

TP number	IBCF_110_025	Reference		5.10.5 [1],			
				17.1.1.1 [1	9]		
TSS reference	Exit_Point/alg/sip	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS	5 7.2.4/1					
Test Purpose name	UDP Third timeout time	r A the INVITE is repeated					
Test Purpose	If an unreliable transport (UDP) is used, ensure that the IBCF, when an INVITE client transaction is in the Calling state retransmits its INVITE request to the other network with intervals that double after each transmission.						
SIP Parameter values							
Comments							
Message flows	Mx	SUT			Ic		
-	INVITE	→	→	INVITE INVITE			
		Start A (4*T1)	→	INVITE			
		Timeout A Apply post test ro	→ outine	INVITE			

TP number	IBCF_110_026	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: No ACK is sent after tim	eout timer B				
Test Purpose	Ensure that the IBCF, when a	n INVITE client transaction is in	n the Calling state, when timer			
	B set to a value of 64*T1 expir	es, considers the transaction t	erminated and does not send			
	an ACK to the other network.					
SIP Parameter values						
Comments	After timeout timer B the INVIT	ΓE 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 110 027		Reference		5.10.5 [1],
TT Hamber	10_021		Reference		17.1.1.1 [19]
TSS reference	Exit Point/alg/sip				17.1.1.1 [19]
		00 7 0 4/4	1		
Selection criteria	PICS 7.1.1/2 AND PI				
Test Purpose name	UDP: ACK is retransr				
Test Purpose	If an unreliable transp	ort is use	d, ensure that the II	BCF,	when an INVITE client transaction
	is in the Completed st	tate, on re	ceipt of an unsucce	essfu	I final response from the other
	network that matches	the trans	action, repeats its A	ACK I	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 unsuccessful final response]
	ACK	→	Start timer D	→	ACK
				←	[any unsuccessful final response]
				→	ACK
				←	[any unsuccessful final response]
				→	ACK
				-	7.OK
			Timeout timer D		
			Timeout timer D		
				←	[any unsuccessful final response]
			Apply post test	rout	

TP number	IBCF_110_028	R	eference	5.10.5 [1], 17.1.1.1 [19]				
TSS reference	Exit_Point/alg/sip	Exit_Point/alg/sip						
Selection criteria	PICS 7.1.1/2 AND PICS	7.2.4/2						
Test Purpose name	TCP: ACK is retransmitt	ed until tir	meout timer D					
Test Purpose		receipt o	f an unsuccessful fi	when an INVITE client transaction is in nal response from the other network t until timeout timer D.				
SIP Parameter values			•					
Comments								
Message flows	Mx	_	SUT	lc				
	INVITE	→		→ INVITE				
	[any final response]	←		[any unsuccessful final response]				
	ACK	→	Start timer D	→ ACK				
				← [any unsuccessful final response]→ ACK				
			Timeout timer D	← [any unsuccessful final response]				
			Apply post test ro	utine				

TP number	IBCF_110_028A	Ref	erence	5.10.5 [1],	
				17.1.1.1 [19]	
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	ACK is retransmitted	until timeout ti	mer D		
Test Purpose	receipt of a 200 OK IN	IVITE final res	ponse from the oth	n is in the Terminated state, on er network that matches the	
CID Deservation and the second	transaction, does not	repeat its ACr	٨.		
SIP Parameter values					
Comments					
Message flows	Mx		SUT	lc	
	INVITE	→	→	INVITE	
	200 OK INVITE	←	←	200 OK INVITE	
	ACK	→	→	ACK	
			←	200 OK INVITE	
	Apply post test routine				

TP number	IBCF_110_029	F	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 retransmitt	ed after	timeout timer E			
Test Purpose	If an unreliable transport the Trying state having s timer E set to T1 value of	sent a B	•	,		
SIP Parameter values						
Comments						
Message flows	Mx		SUT			Ic
		A so	ession is already est	ablish	ed	
	BYE	→	Start timer E (T1)	→	BYE	
	200 OK BYE	←	, ,			
			Timeout timer E	→	BYE	
			Apply post test rou	tine		

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 7.2.4/	1	
Test Purpose name	UDP: BYE is retransmitted after	er second timeout timer E	
Test Purpose	If an unreliable transport is use	ed, ensure that the IUT, when a	BYE client transaction is in
	the Trying state having sent tw		other network, repeats its
	request after timer E set to the	MIN(2*T1,T2) value expires.	
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	Α	session is already establishe	ed
	BYE →	Start timer E (T1) →	BYE
		Timeout timer E →	BYE
		Start timer E (2*T1)	
		Timeout timer E →	BYE
		Apply post test routine	

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 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		
	Α	session is already establish	ed		
	BYE	Start timer E (T1)	BYE		
		Timeout timer E →	BYE		
		Start timer E (4*T1) Timeout timer E →	BYE		
		Apply post test routine			

TD number	IDCE 440 000	Deference	E 40 E [4]				
TP number	IBCF_110_032	Reference	5.10.5 [1],				
			17.1.2.2 [19]				
TSS reference	Exit_Point/alg/sip	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	1					
Test Purpose name	UDP: BYE is retransmitted after	er timeout timer E value T2					
Test Purpose	If an unreliable transport is use	ed, ensure that the IBCF, when	a BYE client transaction is in				
	the Trying state and the time o	f T2 is reached, the BYE reque	st is retransmitted to the				
	other network in the time of T2	•					
SIP Parameter values							
Comments							
Message flows	Mx	SUT	Ic				
	A	session is already establishe	d				
	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], 17.1.2.2 [19]			
TSS reference	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The BYE is not repeated after	timeout Timer F				
Test Purpose		ed, ensure that the IBCF, when at a BYE request, after timer F				
SIP Parameter values		·	·			
Comments						
Message flows	Mx	SUT	lc			
	A	session is already established	ed			
	BYE →	Start timer E, F (64*T1)	→ BYE			
		Timeout timer E	→ BYE			
		Timeout timer E	→ BYE			
		Timeout timer F				
		Apply post test routine				

TP number	IBCF_110_034	Reference	5.10.5 17.1.2]
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	7			
Test Purpose name	UDP: BYE Transaction in the t	erminated 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			Ic
	Α	session is alre	ady established		
	BYE	→ S1	art timer E, F (64*T1)	→	BYE
		Ti	meout timer E	→	BYE
		Ti	meout timer E	→	BYE
	Timeout timer F				
	BYE 481 Call/Transaction Does Not	→ t 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, of	on receipt of an INVITE reques	st from the own network, sends a
) response to the own network rom the INVITE message.	c including the headers From, Call-Id,
SIP Parameter values	INVITE:	<u> </u>	
	From		
	Call-ID		
	CSeq		
	Via		
	100:		
	From		
	Call-ID		
	CSeq		
	Via		
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	←	
		Apply post test ro	utine

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 rece	eived in the INVITE, no tag pa	arameter sent in 100
Test Purpose	Ensure that the IBCF,	on receipt of an INVITE requ	est from the own network with no "tag"
			ng) response to the own network
	including the same UF	RI and no tag in the To heade	r.
SIP Parameter values	INVITE:		
	To: [any UF	RI] (no tag)	
	100:		
	To: [any UF	RI] (no tag)	
Comments			
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
	100 Trying	←	
		Apply post test r	outine

TP number	IBCF 110 037	Reference	5.10.5 [1],		
i i iidiibei	IBCI _110_037	Kelelelice	16.2, 8.2.6.2, 17.2.1 [19]		
TSS reference	Evit Point/olg/oin		10.2, 0.2.0.2, 17.2.1 [19]		
	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 Trvin	g) response to the own network		
		RI and the same tag in the To h			
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	Ic		
	A session is already established				
	INVITE	→	→ INVITE		
	100 Trying	←			
	Apply post test routine				

TP number	IBCF_110_038	Reference	5.10.5 [1],
			17.2.3.1, 17.2.3.2 [19]
TSS reference	Exit_Point/alg/sip		
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Last response is repeated if IN	VITE request received with sar	me branch parameter
Test Purpose	Ensure that the IBCF in a serve	er INVITE Proceeding state, or	receipt of an INVITE request
	from the own network, including		
	sent-by value in the topmost lis	t value, repeats its last respon-	se.
SIP Parameter values	INVITE:		
	Via:		
	100:		
	Via:		
Comments			
Message flows	Mx	SUT	lc
	INVITE →	→	INVITE
	100 Trying ←		
	INVITE		
	100 Trying ←		
	-	Apply post test routine	

TP number	IBCF 110 039	Referen	20	5.10.5 [1],	
ii iidiiibei	1001_110_009	Keleleli	. •		
				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 i	s sent in the repe	ated 486 response		
Test Purpose			•	n receipt of an INVITE request	
	from the own network,	including a Via he	ader set with the sa	me branch parameter and	
	sent-by value in the top	omost list value, re	epeats its last respon	nse sent to the own network.	
SIP Parameter values	486 1:				
	Via:				
	486 2:				
	Via:				
Comments					
Message flows	Mx		SUT	lc	
	INVITE	→	→	INVITE	
	486 Busy Here 1	((486 Busy Here	
	loo Buoy Horo T		→	ACK	
	IN IV (ITE	→	•	ACK	
	INVITE	=			
	486 Busy Here 2	←			
	ACK	→			
	Apply post test routine				

TP number	IBCF_110_040	Reference	5.10.5 [1], 17.2.2, 17.2.3 [19]			
TSS reference	Exit Point/alg/sip		[17.2.2, 17.2.3 [1 9]			
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The same Via header is sent	in the repeated 200 OK resp	oonse			
Test Purpose	including a Via header set wi	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	BYE		Ic ished → BYE ← 200 OK BYE			
	BYE	÷ +	200 01/212			

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 CA	NCEL received as in INVIT	E		
Test Purpose	Ensure that the IBCF in a server INVITE Proceeding state , on receipt of a CANCEL, including a Via header set with the same branch parameter and sent-by value with the topmost Via value INVITE to be cancelled, sends a Success (200 Success) response to the CANCEL request.				
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_110_042	Reference	5.10.5 [1],		
			13.3.1.3, 17.2.3.1 [19]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PIC	CS 7.2.4/7			
Test Purpose name	State change from the	Proceeding state into the	Completed state		
Test Purpose	Ensure that the IBCF in a server INVITE Proceeding state, after sending a 4XX response, enters in the Completed state.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	lc		
	INVITE 100 Trying 486 Busy Here 486 Busy Here ACK	→ ← ← ←	→ INVITE ← 100 Trying ← 486 Busy Here → ACK		

TP number	IBCF_110_043	Refere	ence		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 sta	te into the Conf	irmed s	state
Test Purpose	Ensure that the IBCF in a server INVITE Completed state, on receipt of an ACK request,				
	enters in the Confirme	d state.			
SIP Parameter values					
Comments					
Message flows	Mx		SUT		lc
	INVITE	→		→	INVITE
	486 Busy Here	(←	486 Busy Here
	ACK	→		→	ACK

TP number	IBCF_110_044	Reference	5.10.5 [1],	
			15.1.2 [1	9]	
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 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		•		•	
Comments					
Message flows	Mx		SUT	lc	
_	BYE	→			
	481 Call/Transaction does not ex	kist C			

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	.4/7			
Test Purpose name	Final response repeated after	er 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 repeats its response sent to the own network on the timeout condition of timer G set with a value of T1.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	Ic		
	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 7.2.4/	8			
Test Purpose name	Final response is not repeated	after timeout timer G			
Test Purpose	If a reliable transport (TCP) is used, ensure that the IBCF, when an INVITE server transaction is in the Completed state does not repeat its response to the own network on the timeout condition of timer G set with a value of T1.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	Ic		
	INVITE 180 Ringing 403 Forbidden →	Start timer G (T1) Timeout timer G	INVITE 180 Ringing 403 Forbidden		
	ACK →	Timeout timer G			

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 7.2.4/7					
Test Purpose name	Final response repeated after s	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	Ic			
	INVITE →	→	INVITE			
	180 Ringing ←	←	180 Ringing 403 Forbidden			
	403 Forbidden ←	Start timer G (T1)				
	403 Forbidden ←	Timeout timer G Start timer G (2*T1)				
	403 Forbidden	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	Exit_Point/alg/sip						
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/7	7						
Test Purpose name	Final response repeated after t	hird timeout timer G						
Test Purpose	is in the Completed state and h	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	SUT	lc					
	INVITE →	→	INVITE					
	180 Ringing ←	←	180 Ringing					
		(403 Forbidden					
	403 Forbidden ←	Start timer G (T1)						
	403 Forbidden ←	Timeout timer G						
		Start timer G (2*T1)						
	403 Forbidden ←	Timeout timer G						
	_	Start timer G (4*T1)						
	403 Forbidden	Timeout timer G						
	ACK →							

TP number	IBCF_110_049	Reference		0.5 [1], 2.1, An	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 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	←		←	180 Ringing	
				←	403 Forbidden	
	403 Forbidden	+	Start timer H (64*T1)	→	ACK	
	ACK	→	Timeout timer H			

TP number	IBCF_110_050	Reference	5.10.5 [1],				
			17.2.1, Annex A [19]				
TSS reference	Exit_Point/alg/sip	Exit_Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	PICS 7.1.1/2 AND PICS 7.2.4/7					
Test Purpose name	Final response is not repeated	after timeout timer H					
Test Purpose	is in the Completed state and,	f an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction s in the Completed state and, does not repeats its response sent to the own network after imer H set to 64*T1 value expires.					
SIP Parameter values							
Comments							
Message flows	Mx	SUT	lc Ic				
	INVITE -	→					
	180 Ringing ←	←	100 1 111191119				
	403 Forbidden	Start timer H (64*T1)	403 Forbiaden				
		Timeout timer H					
		Apply post test routine					

TP number	IBCF_110_051 F	Reference		5.10.5	[1],		
				17.2.1,	Annex A [19]		
TSS reference	Exit_Point/alg/sip	Exit Point/alg/sip					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/7						
Test Purpose name	The terminated state is entered a	after timer I	was expired				
Test Purpose	is in the Confirmed state, enters	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction is in the Confirmed state, enters in the Terminated state after timer I set to T4 value expires. A 481 response to the ACK after timer I was expired is optional.					
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 7.2.4/8				
Test Purpose name	The server enters immediately in	the terminate	ed state		
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
	ACK	→	Start timer I (T4)		
	ACK	→	,		
	481 Call/Transaction does not ex	xist ←			

TP number	IBCF_110_053	Reference	5.10.5 [1],
			17.2.2, <i>P</i>	Annex A [19]
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/7	7		
Test Purpose name	Enters from the completed state	e into the terminated 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	SUT		lc
	A :	session is already establishe	ed	
	BYE)	→	BYE
	200 OK BYE	← Start timer J (64*	T1) ←	200 OK BYE
	BYE	→		
	200 OK BYE	←		
	D./F	Timeout timer J		
	BYE 481 Call/Transaction does not of			

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	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 the Contact header contains the URI of the IBCF.			
SIP Parameter values	INVITE: Contact: <[L	JRI of IBCF]>			
Comments		-			
Message flows	Mx	SUT	lc		
	INVITE	→ Apply post test	→ INVITE routine		

TP number	IBCF_110_055	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	An IPv6 Address in the	e Contact header in the sent	INVITE			
Test Purpose	sent to the other IPv6	When the IBCF receives in INVITE request from the own network, ensure that an INVITE is sent to the other IPv6 network and when the Contact header contains an IP address it is an IPv6 address identifying the IBCF.				
SIP Parameter values	INVITE 2:					
	Contact: <[5555::aaa:bbb:ccc:ddd]>				
Comments	The IPv6 address is a	n example not a real value				
Message flows	Mx	SUT	lc			
	INVITE 1	→	→ INVITE 2			
	Apply post test routine					

TP number	IBCF_110_056	Reference	5.10.5 [1],	
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	An IPv4 Address in the Contact	header in the sent INVITE		
Test Purpose	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 an example	e not a real value		
Message flows	Mx	SUT	Ic	
	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	er in the sent INVITE			
Test Purpose	sent to the other netwo	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 paramet	er in the Contact header	
Test Purpose	Ensure that the IBCF	on receipt of an INVITE reque	est from the own network including
	non-understood uri-pa	arameters in the SIP-URI of th	e Contact header forwards the
	message to the other	network.	
SIP Parameter values	INVITE:		
	Contact: <	[any URI]>;unknown=nonunde	erstood
Comments			
Message flows	Mx	SUT	Ic
_	INVITE	→	→ INVITE
		Apply post test r	outine

TP number	IBCF_110_059	Reference	5.10.5 [1], 19.1.1 [19]
TSS reference	Exit_Point/alg/sip	1	
Selection criteria	PICS 7.1.1/2		
Test Purpose name	Header parameter pre	sent in the Contact header	
Test Purpose			st from the own network including a ader forwards the message to the other
SIP Parameter values	INVITE:		
	Contact: <[a	any URI]>;h1=%	
Comments			
Message flows	Mx INVITE	SUT Apply post test ro	lc → INVITE 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		to "INVITE" in the SIP-URI o	est from the own network including a of the Contact header forwards the
SIP Parameter values	INVITE: Contact: <[a	any URI];method=INVITE>	
Comments		•	
Message flows	Mx	SUT	lc
	INVITE	→	→ INVITE
		Apply post test i	routine

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 s	sends an INVITE request to the	ne other network when an INVITE
	request was received f	rom the own network and one	e Via header entry is present identifying
	the IBCF. The received	d Via header entries are not p	resent.
SIP Parameter values	INVITE 2:		
	Via: SIP/2.0	/[any transport] [URI of IBCF]	;branch=z9hG4bK
Comments			
Message flows	Mx	SUT	Ic
	INVITE 1	→	→ INVITE 2
		Apply post test ro	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 PICS	S 7.2.4/4 AND PICS 7.2.4/5	
Test Purpose name	The Via header URI is	a IPv6 address	
Test Purpose	When the IBCF sends a	an INVITE request to the otl	her IPv6 network and the Via header
	value identifying the IB	CF 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	y transport] [[5555::aaa:bbb	:ccc:ddd]:>port>];branch=[any value]
Comments	The IP v6 address is ar	n 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 ar	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 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 translation i	n the Via header in the sent INV	ITE
Test Purpose		ITE request to the other network ddress, ensure that the IP addred 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_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	ameter with upper and lower	cases
Test Purpose	Ensure that the IBCF of	on receipt of an INVITE reques	st from the own network including a
	branch parameter nam	ed 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	outine

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 respon	nse with non-defined i	esponse code i	received
Test Purpose		299 OK) response with		uest from the own network, on ast two digits forwards the
SIP Parameter values	299 OK CSeq: [any	value] INVITE		
Comments		-		
Message flows	Mx INVITE 180 Ringing 299 OK INVITE	→ ←	UT → ← t test routine	Ic INVITE 180 Ringing 299 OK INVITE

TP number	IBCF_110_067	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 respon	se with unknown reason phr	ase received
Test Purpose	receipt of a Success (2 the message to the oth	00 PERFECT) response with	/ITE request from the own network, on n an unknown reason phrase forwards
SIP Parameter values	200 OK PERFECT:		
Comments			
Message flows	Mx	SUT	Ic
	INVITE	→	→ INVITE
	180 Ringing	←	← 180 Ringing
	200 OK	←	€ 200 OK
		Apply post test r	outine

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 th	e sent INVITE	
Test Purpose	sent to the other netwo		e own network, an INVITE request is e of the sent From header field is ork.
SIP Parameter values	INVITE 2:	/ URI]>;tag=[any value]	
Comments	1 Tom. \(an)	Ortij>,tag=[arry value]	
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	ent INVITE	
Test Purpose		rk. Ensure that no 'tag' value	e own network, an INVITE request is is present in the To header field in the
SIP Parameter values	INVITE 2: To: <[any Uf		
Comments		•	
Message flows	Mx	SUT	Ic
_	INVITE 1	→ Apply post test re	→ INVITE 2 putine

TP number	IBCF_110_070	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 180			
Test Purpose	response is sent to th		nse from the other network, a 180 Ringing that the 'tag' value sent to the own network network.	
SIP Parameter values				
Comments				
Message flows	Mx INVITE 180 Ringing	SU [⊤] → ← Apply post t	→ INVITE ← 180 Ringing	

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 net	response from the other network, a 183 work. Ensure that the 'tag' value sent to I from the other network.
SIP Parameter values			
Comments			
Message flows	Mx INVITE 183 Session Progress	SUT → ← Apply post test	Ic → INVITE ← 183 Session Progress 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	me 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	ge to the other network.		
SIP Parameter values	INVITE:				
	f: <[any UR	l]>;tag=[any value]			
	t: <[any UR	I]>			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	→	→ 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		ot of an INVITE request from th		
	version in lower case forwards	the message to the other netv	vork.	
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 names in up	per and lower cases	
Test Purpose		ipt of an INVITE request from the lower cases forwards the me	
SIP Parameter values	INVITE: frOM: <[any URI]>; tO: <[any URI]>	tag=[any value]	
Comments			
Message flows	Mx	SUT	lc
	INVITE	Apply post test routine	INVITE

		Apply post test routine			
	INVITE	→	→ INVITE		
Message flows	Mx	SUT	lc		
Comments					
	To: <sip:[ar< th=""><th>ny URI];transport=[any trans</th><th>sport]></th></sip:[ar<>	ny URI];transport=[any trans	sport]>		
		[any URI];transport=[any tr			
SIP Parameter values	INVITE:				
	to the other network.				
	transport parameter in	the From and To headers,	ignores them and forwards the message		
Test Purpose			quest from the own network including a		
Test Purpose name		n From and To header			
Selection criteria	PICS 7.1.1/2				
TSS reference	Exit_Point/alg/sip				
			19.1.1 [19]		
TP number	IBCF_110_075	Reference	5.10.5 [1],		

TP number	IBCF_110_076	Reference	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 INVITE esta	blishes a new call leg	
Test Purpose	When the IBCF receives an IN sent to the other network. Ensureceived from the own network	re that the Call-ID value is diff	
SIP Parameter values	INVITE 2:		
	Call-ID: [any value]		
Comments			
Message flows	Mx	SUT	Ic
	INVITE 1 →	→	INVITE 2
		Apply 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 without	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 Re	equest (400 Bad Request) res	sponse.
SIP Parameter values	INVITE:		
	Call-ID head	er not present	
Comments			
Message flows	Mx	SUT	Ic
_	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 PIC	CS 7.2.4/8	
Test Purpose name	INVITE request with se	everal CRLF before start-line	supported
Test Purpose			st from the own network over a before the start-line, forwards the
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	INVITE	→ Apply post test r	→ INVITE

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		ther network and if Record-R	e own network ensure that an INVITE oute header entry is present it contains
SIP Parameter values	INVITE 2: Record-Rou	te: <sip:[uri ibcf];lr="" of=""></sip:[uri>	
Comments			
Message flows	Mx INVITE 2	SUT Apply post test re	lc → INVITE 2

TP number	IBCF_110_080	Reference	5.10.5 [1]	
TSS reference	Exit_Point/alg/sip			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	4 AND PICS 7.2.4/5		
Test Purpose name	IPv6 address in the Record-Ro	oute header in the sent 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:< th=""><th>[5555::aaa:bbb:ccc:ddd];lr></th><th></th></sip:<>	[5555::aaa:bbb:ccc:ddd];lr>		
Comments				
Message flows	Mx	SUT	Ic	
	INVITE →	→	INVITE	
		Apply post test routine		

TP number	IBCF_110_081	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	4 AND PICS 7.2.4/6			
Test Purpose name	IPv4 address in the Record-Ro	oute header in the sent INVITE			
Test Purpose	When the IBCF receives an INVITE request from the own IPv6 network ensure that an INVITE request is sent to the other IPv4 network and when the Record-Route header contains an IP address identifying the IBCF it is an IP v4 address.				
SIP Parameter values	INVITE 2:				
	Record-Route: <sip:< th=""><th>[aaa.bbb.ccc.ddd];lr></th><th></th></sip:<>	[aaa.bbb.ccc.ddd];lr>			
Comments					
Message flows	Mx	SUT	Ic		
	INVITE →	→	INVITE		
		Apply post test routine			

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 Conta	ct header GRUU is:	sent	
Test Purpose	When an IBCF processe	s a SIP request or re	esponse that co	ntains a contact address which
	is a Globally Routable Us	ser agent URI (GRU	U), it shall repla	ace the contact address with an
	address which is also a (GRUŬ.		
SIP Parameter values	INVITE			
	Contact header			
	GRUU			
	200 OK:			
	Contact header			
	GRUU			
Comments				
Message flows	Mx	SU	JT	Ic
	INVITE	→	→	INVITE
	180 Ringing	((180 Ringing
	200 OK INVITE	(+	200 OK INVITE
		Apply post	test routine	

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 sent			
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 routine	Ic INVITE 180 Ringing 200 OK INVITE		

6.1.5.2 Treatment of session and media description

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 IN	VITE request from its own netv	vork and the 'o' line contains			
	the IP address from the owner/	creator in the own network, en	sure that an INVITE request			
	is sent to the other network and	the SDP contains an 'o' line t	he IP address is set to the IP			
	address of the IBCF of the own	network.				
SIP Parameter values	INVITE 1:					
	SDP					
	o=[any value] [ar	ny value] [any value] IN IP4 [IP	address owner (PIXIT)]			
	or					
	o=[any value] [ar	ny value] [any value] IN IP6 [IP	address owner (PIXIT)]			
	INVITE 2:					
	SDP					
	o=[any value] [ar	ny value] [any value] IN IP4 [IP	address IBCF]			
	or					
	o=[any value] [ar	ny value] [any value] IN IP6 [IP	address IBCF]			
Comments						
Message flows	Mx	SUT	lc			
	INVITE 1 →	→	INVITE 2			
		Apply post test routine				

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	AND PICS 7.2.4/5			
Test Purpose name	IPv4 to IPv6 IP version interwork	rking 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 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] [any value] IN IP4 [IP address owner (PIXIT)] INVITE 2: SDP				
	o=[any value] [ar	y value] [any value] IN IP6 [IP	address IBCF]		
Comments					
Message flows	Mx INVITE 1 →	SUT → Apply post test routine	Ic INVITE 2		

TP number	IBCF 111 003	Reference	5.10.5 [1]			
TSS reference	Exit_Point/alg/sdp					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	/3 AND PICS 7.2.4/6				
Test Purpose name	IPv6 to IPv4 IP version interwo	orking in the o line of the INVI	TE			
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 1: SDP o=[any value] [a INVITE 2: SDP	ny value] [any value] IN IP6 [i	IP address owner (PIXIT)]			
	o=[any value] [any value] IN IP4 [IP address IBCF]					
Comments						
Message flows	Mx	SUT	lc			
	INVITE 1	·	INVITE 2			
	Apply post test routine					

TP number	IBCF_111_004	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 200 OK INVIT	E		
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and the 'o' line				
	contains the IP address from th				
	INVITE response is sent to its or is set to the IP address of the II		tains an for line the IP address		
SIP Parameter values	200 OK 1:	BCF of the own network.			
SIF Farameter values	SDP				
	- ·	ny value] [any value] IN IP4 [IP	address owner (PIXIT)]		
	or	iy valaoj jariy valaoj iiv ii i jii	address swiler (Fixer)		
	_	ny value] [any value] IN IP6 [IP	address owner (PIXIT)]		
	200 OK 2:				
	SDP				
	o=[any value] [any value] IN IP4 [IP address IBCF]				
	or				
_	o=[any value] [ar	ny value] [any value] IN IP6 [IP	address IBCF]		
Comments					
Message flows	Mx	SUT	Ic		
	INVITE →	→	INVITE		
	180 Ringing ←	←	180 Ringing		
	200 OK INVITE 2 ←	←	200 OK INVITE 1		
		Apply post test routine			

TP number	IBCF 111 005	Reference	5.10.5 [1]			
TSS reference	Exit Point/alg/sdp					
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4.	/3 AND PICS 7.2.4/6				
Test Purpose name	IPv6 to IPv4 IP version interwo	orking in the o line of the 200 C	OK INVITE			
Test Purpose	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 IPv4 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 IPv6 address of the IBCF of the own network.					
SIP Parameter values	200 OK 2: SDP	200 OK 1: SDP o=[any value] [any value] IN IP4 [IP address owner (PIXIT)] 200 OK 2:				
Comments	. [,	. ,				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 2	·	Ic INVITE 180 Ringing 200 OK INVITE 1			

TP number	IBCF_111_006	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sdp	Exit Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/3	3 AND PICS 7.2.4/6			
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the o line of the 200 O	K INVITE		
Test Purpose	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 1: SDP o=[any value] [any value] IN IP6 [IP address owner (PIXIT)] 200 OK 2: SDP o=[any value] [any value] IN IP4 [IP address IBCF]				
Comments					
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE 2	SUT → ← Apply post test routine	Ic INVITE 180 Ringing 200 OK INVITE 1		

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 IN	VITE request from its own net	work and the 'c' line contains			
	the IP address from the data co					
	request is sent to the other net	work 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 co	onnection address (PIXIT)]				
	or					
	c=IN IP6 [data connection address (PIXIT)]					
	INVITE 2:					
	SDP					
	c=IN IP4 [IP add	ress TrGW				
	or	- 0.40				
	c=IN IP6 [IP add	ress IrGW]				
Comments			_			
Message flows	Mx	SUT	lc			
	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 interwor	king 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				
SIP Parameter values	the IP address is set to the IPv6 address of the TrGW of the own network. INVITE 1: SDP				
	c=IN IP4 [data connection address (PIXIT)]				
	INVITE 2: SDP c=IN IP6 [IP addi	ress TrGW]			
Comments		•			
Message flows	Mx	SUT	lc		
	INVITE 1 →	→	INVITE 2		
		Apply post test routine			

TP number	IBCF 111 009	Reference	5.10.5 [1]		
TSS reference	Exit_Point/alg/sdp		,		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/3	3 AND PICS 7.2.4/6			
Test Purpose name	IPv6 to IPv4 IP version interwork	king in the c line of the INVIT	E		
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 IPv	4 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 add	ress TrGW]			
Comments		-			
Message flows	Mx	SUT	lc		
	INVITE 1 →	→	INVITE 2		
		Apply post test routine			

TP number	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 translation in	the c line of the 200 OK INVIT	Έ		
Test Purpose	contains the IP address from t	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, ensure that a 200			
		o its own network and the SDP as of the TrGW of the own netw			
SIP Parameter values	200 OK 1:				
	SDP				
	c=IN IP4 [data o	connection address (PIXIT)]			
	or				
	c=IN IP6 [data o	connection address (PIXIT)]			
	200 OK 2:				
	SDP				
	c=IN IP4 [IP address TrGW				
	or				
	c=IN IP6 [IP add	dress TrGW]			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	-	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 PICS 7.2.4	4/4 AND PICS 7.2.4/5			
Test Purpose name	IPv6 to IPv4 IP version interv	vorking 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	180 Ringing	SUT → ← ← Apply post test routine	Ic INVITE 180 Ringing 200 OK INVITE 1		

TP number	IBCF_111_012	Reference	5.10.5 [1]	
TSS reference	Exit_Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/3	3 AND PICS 7.2.4/6		
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the c line of the 200 Ol	< 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 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		•		
Message flows	Mx INVITE → 180 Ringing ← 200 OK INVITE 2	SUT ← Apply post test routine	Ic INVITE 180 Ringing 200 OK INVITE 1	

TP number	IBCF_111_013	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 adds codecs to the coded list in the offer			
Test Purpose	When the IBCF receives an INVITE request from the own network and the a SDP is			
	present, the IBCF sends an INVITE request to the other 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=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	SUT	lc	
	INVITE 1 →)	INVITE 2	
		Apply post test routine		

TP number	IBCF_111_0	14	Reference		5.10.7 [1]
TSS reference	Exit_Point/al	g/sdp			
Selection criteria	PICS 7.1.1/2	PICS 7.1.1/2 AND PICS 7.2.5/1 AND PICS 7.2.5/2			
Test Purpose name	The IBCF rer	noves previous add	ded codecs from the	SDP and	swer
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	INVITE 1 180 Ringing 200 OK INVI	1x → ← TE 2 ←	SUT Apply post test re	→ ← coutine	Ic INVITE 2 180 Ringing 200 OK INVITE 1

TP number	IBCF_111_015	Reference	5.10.7 [1]		
TSS reference	Exit_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2 AND NOT	PICS 7.2.5/1			
Test Purpose name	No transcoding perform	ed			
Test Purpose	When the IBCF receives a 200 OK INVITE response from the other network and at least one of the codecs contained in the INVITE sent to the other network is present in the response from the other network, no transcoding 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	m=audio <port number=""> RTP/AVP 8 0</port>			
	INVITE 2:	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	lc		
	INVITE 1	→	→ INVITE 2		
	180 Ringing	(← 180 Ringing		
	200 OK INVITE 2	(← 200 OK INVITE 1		
	Apply post test routine				

TP number	IBCF_111_016	Reference	5.10.7 [1]		
TSS reference	Exit_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.5/	PICS 7.1.1/2 AND PICS 7.2.5/1 AND PICS 7.2.5/2			
Test Purpose name	Transcoding performed in the I	BCF			
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=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 <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	Ic		
	INVITE 1 → 180 Ringing ← 200 OK INVITE 2 ←	→ ← Apply post test routine	INVITE 2 180 Ringing 200 OK INVITE 1		

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 than one m	lines			
Test Purpose	When the IBCF receives an INVITE request from the own network and the SDP contains more than 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</port>				
	INVITE 2: m=audio <port number=""> RTP/AVP 8 0 m=video 3400 RTP/AVP 98 a=rtpmap:98 H263</port>				
Comments					
Message flows	Mx	SUT	lc		
	INVITE 1	→	→ INVITE 2		
	Apply post test routine				

TP number	IBCF_111_0	8	Referen	се		5.10.5 [1]	
TSS reference	Exit_Point/alg	ı/sdp				•	
Selection criteria	PICS 7.1.1/2						
Test Purpose name	Passing of re	Passing of request of resource reservation					
Test Purpose	When the IB0 requested, al and the relev	CF receives requests ar ant SDP cor	an INVITE requent responses but the second in the second i	uest from the or elonging to the unchanged.	wn ne prece	twork and preconditions are ondition procedure are passed	
SIP Parameter values		a=curr:qos a=curr:qos a=des:qos	ondition, 100re local none remote none mandatory loca none remote s	al sendrecv			
	183: Require SDP	a=curr:qos a=curr:qos a=des:qos a=des:qos	local none remote none mandatory loca mandatory ren remote sendre	note sendrecv			
	UPDATE: SDP	a=curr:qos a=des:qos	local sendrecy remote none mandatory loca mandatory ren	al sendrecv			
	200 OK UPD SDP	a=curr:qos a=curr:qos a=des:qos	local sendrecy remote sendre mandatory loc mandatory ren	ecv al sendrecv			
Comments							
Message flows	INVITE 183 Session PRACK 200 OK PRACUPDATE 200 OK UPD	CK	→ ← → ← → ←	SUT post test rout	→ ← → ← → tine	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 PICS 7.1.1/	/2			
Test Purpose name	WWW-Authenticate header is	passed unchanged			
Test Purpose SIP Parameter values	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. 401 1: WWW-Authenticate				
	401 2: WWW-Authenticate				
Comments					
Message flows	Mx	SUT	lc		
	REGISTER +	• •	REGISTER		
	401 Unauthorized 2	→	401 Unauthorized 1		

TP number	IBCF_201_002	Reference	5.10.3.1 3) [1]		
TSS reference	Entry_Point/reg				
Selection criteria	PICS 7.2.1/1 AND	PICS 7.1.1/2			
Test Purpose name	The Authorization	header is passed unchange	ed		
Test Purpose			uest from a trusted domain outside its own		
			me) network. The Authorization header		
	remains unchange	d in the forwarded SIP requ	iest.		
SIP Parameter values		Authorization			
	-	Path			
	F	Require: path			
	F	P-Charging-Vector: icid; orig	ı-ioi		
	REGISTER 2: Authorization				
	Path				
	F	Require: path			
	F	P-Charging-Vector: icid; orig	ı-ioi		
Comments					
Message flows	Mx	SUT	Г Іс		
	REGISTER 2	←	← REGISTER 1		
	200 OK REGISTER	→	→ 200 OK REGISTER		

TP number	IBCF_201_00	3	Reference		5.10.3.1 3) [1]	
TSS reference	Entry_Point/re	Entry_Point/reg				
Selection criteria	PICS 7.2.1/1	PICS 7.2.1/1 AND PICS 7.1.1/2				
Test Purpose name	The P-Associ	ated-URI, Path, S	Service-Route and F	-Charging-	-Vector headers are passed	
	unchanged					
Test Purpose	When an IBC	receives a SIP	200 OK REGISTER	request fr	om its own network, it	
					sociated-URI, Path,	
	Service-Route	, P-Charging-Ve	ctor headers remair	n unchange	ed in the forwarded SIP	
	response.					
SIP Parameter values	200 OK 1:	00 OK 1: P-Associated-URI				
		Path				
		Service-Route				
		P-Charging-Vector	tor: term-ioi			
	Contact					
	200 OK 2: P-Associated-URI					
		Path				
		Service-Route				
	P-Charging-Vector: term-ioi					
		Contact				
Comments						
Message flows	M	x	SUT		lc	
	REGISTER	(•	(REGISTER	
	200 OK REGIS	TER 1 →		→	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 Ex	pires header	are passed unchanged		
Test Purpose				trusted domain outside its own	
	network, it forward	d the request	to the own (home) network.	The Event header and the	
	Expires header re	main unchan	ged in the request.		
SIP Parameter values	SUBSCRIBE 1:	Event: reg			
		P-Charging-V	ector: icid		
		Expires: 600	000		
	SUBSCRIBE 2:	Event: reg			
		P-Charging-V	ector: icid		
		Expires: 600	000		
Comments					
Message flows	Mx		SUT	lc	
	The registration procedure was successful				
	SUBSCRIBE	-	· · · · · · · · · · · · · · · · · · ·	SUBSCRIBE	
	200 OK SUBSCRI	BE →	→	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					
Test Purpose name	The 'reginfo' body is p	passed unchanged				
Test Purpose	When an IBCF receiv network, it forward the	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		Content-Type: application/reginfo+xml				
	<reginfo <br="" xmlns="u
<registration a
<contact id</th><th>irn:ietf:params:xml:ns:reginfo">or="sip:[<i>any value</i>]" id="[<i>any value</i>]" state="active" e duration-registered="0"> p:[any value]</reginfo>	alue]" state="active ["] >				
	xml version="1.<br <reginfo ?="" xmlns="u
<registration a
<contact id</th><th>t-Type: application/reginfo+xm
0"> trn:ietf:params:xml:ns:reginfo" or="sip:[any value]" id="[any value]"; l="[any value]" state="active" eduration-registered="0"> p:[any value]</reginfo>	version="1" state="partial"> alue]" state="active">				
Comments						
Message flows	Mx	SUT A subscription was s	lc uccessful			
	NOTIFY 200 OK NOTIFY	+ subscription was s	◆ NOTIFY → 200 OK NOTIFY			

TP number	IBCF_201_006	Reference	5.10.3.1 [1]		
TSS reference	Entry_Point/reg				
Selection criteria	PICS 7.2.1/1 AND PICS 7.2.1	/7			
Test Purpose name	The IBCF selects an alternative	e entry point to the own networ	k if a 3xx was received		
Test Purpose	When an IBCF receives a SIP 3xx (Redirection) 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 home network			
Message flows	Mx 2	Mx 1 SUT	lc		
	F	EGISTER	← REGISTER		
	3	xx →			
	REGISTER				
	200 OK REGISTER →	Apply post test routine	→ 200 OK REGISTER		
		Apply post test routine			

TP number	IBCF_201_007	Reference	5	5.10.3.1 [1]		
TSS reference	Entry_Point/reg	<u>.</u>				
Selection criteria	PICS 7.2.1/1 AND	PICS 7.2.1/7				
Test Purpose name	The IBCF selects a	n alternative entry point to the	own network	if a 480 was received		
Test Purpose	network point to a p	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 netw	ork			
Message flows	Mx 2	Mx 1	SU	JT Ic		
		REGISTER	←	← REGISTER		
		480 Temporarily Unavailab	ole →			
	REGISTER	←				
	200 OK REGISTER	→		→ 200 OK REGISTER		
		Apply post tes	t routine			

TP number	IBCF_201_008	Reference	5.1	10.3.1 [1]
TSS reference	Entry_Point/reg			
Selection criteria	PICS 7.2.1/1 AND PIC	S 7.2.1/7		
Test Purpose name	The IBCF selects an a received	Iternative entry point to	the own network if	no response was
Test Purpose	When an IBCF receive forwarded SIP REGIS Register request to wh	TER request, it shall se	elect a new Network	point and resend the
SIP Parameter values				
Comments	IUT configured with tw	o entry points to own n	etwork	
Message flows	Mx 2	Mx 1	SUT	lc
		REGISTER	+	← REGISTER
	REGISTER 200 OK REGISTER	← →	44	→ 200 OK REGISTER
		Apply post	test routine	

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 480	to a REGISTER request	was received
Test Purpose	If an IBCF receives no responsit shall send a SIP 504 Server		quest from all own network points, P-CSCF.
SIP Parameter values		•	
Comments			
Message flows	Mx	SUT	lc
	REGISTER	←	← REGISTER
	480 Temporarily Unavailable	→	
			→ 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	om a untrusted network receive	ed, a 403 is sent
Test Purpose			rom a non-trusted domain outside its sponse to the sender of the request.
SIP Parameter values			
Comments	IMS configured as un	trusted domain for IUT	
Message flows	Mx	SUT	Ic
_			← 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 f sent	rom a untrusted network receiv	ved roaming not supported, a 403 is
Test Purpose	network, it shall send		from a trusted domain outside its own see to the sender of the request if
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' parame received from an untrusted ne		ader in an INVITE request
Test Purpose	topmost Route header in the r	SIP INVITE request, from a nor request contains the 'orig' para to the originator of the reques	meter, the IBCF shall send a
SIP Parameter values	INVITE topmost Route header 'orig' parameter		
Comments	<u> </u>		
Message flows	Mx	SUT Apply post test routine	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	P-Charging-Vector header fields and all P-Charging-Function-Addresses header fields omitted from the INVITE request received from an untrusted network			
Test Purpose	When an IBCF receives any SIP INVITE 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	INVITE 1 topmost Route header 'orig' parameter not present P-Charging-Vector P-Charging-Function-Addresses			
Comments	topmost Route head	iei		
Message flows	Mx	SUT	lc	
	INVITE 2		INVITE 1	
		Apply post test 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		he request contains the 'c	et, from a non-trusted domain and the orig' parameter, the IBCF shall send a see request.			
SIP Parameter values	MESSAGE topmost Route header 'orig' parameter					
Comments						
Message flows	Mx	SUT Apply post test r	Ic ← MESSAGE → 403 Forbidden outine			

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	MESSAGE 1 topmost Route header 'orig' parameter not present P-Charging-Vector P-Charging-Function-Addresses			
	topmos	t Route header		
Comments				
Message flows	Mx	SUT	Ic	
	MESSAGE 2	←	← MESSAGE 1	
Apply post test routine			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 header fields and all P-Charging-Function-Addresses header fields omitted from an unknown request received from an untrusted network			
Test Purpose	When an IBCF receives a	ny unknown SIP request, the request contains the o	from a non-trusted domain and the rig parameter, the IBCF shall send a		
SIP Parameter values	[unknown] topmost Route header 'orig' parameter		e request.		
Comments	3 1 2 2 2 2				
Message flows	Mx	SUT Apply post test re	lc ← [unknown] → 403 Forbidden outine		

TP number	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	When an IBCF receives any unknown SIP 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	[unknown]1 topmost Route header 'orig' parameter not present P-Charging-Vector P-Charging-Function-Addresses [unknown] 2: topmost Route header			
Comments				
Message flows	Mx [unknown] 2	SUT	lc ← [unknown] 1	
	Apply post test routine			

TP number	IBCF_202_007	Reference	5.10.3.2 1 [1]
TSS reference	Entry_Point/bcall	·	
Selection criteria			
Test Purpose name	INVITE received, a 100	Trying is sent	
Test Purpose	When an IBCF receive with a 100 Trying.	s a SIP INVITE request, fro	om the other network, the IBCF responds
SIP Parameter values			
Comments			
Message flows	Mx	SUT	Ic
	INVITE	←	← INVITE
			→ 100 Trying
		Apply post test	t routine

TP number	IBCF_202_008	Reference	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 head	er is inserted		
Test Purpose	When the IBCF receives an INVITE request and the IBCF requires the periodic refreshment of the session it shall add a Session-Expires header prior to forwarding it to the own network.			
SIP Parameter values	INVITE 2: Session-Expires: <configured value=""></configured>			
Comments				
Message flows	Mx	SUT	ic ← INVITE 1	
	INVITE 2 ← → 100 Trying Apply post test routine			

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 pa	ssed in a SIP	response			
Test Purpose	as indicated in table 6.3	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	Mx		SUT		Ic	
	INVITE	←		←	INVITE	
	SIP_response 1	SIP response 1 SIP response 2				
	ACK	= ·				

TP number	IBCF_202_010	Refe	rence		4.4.6 [1]
TSS reference	Entry_Point/bcall				
Selection criteria	PICS 7.2.1/2				
Test Purpose name	A Reason header is re	moved from a	SIP response if	the othe	er 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 as indicated in table 6.2.2-1 if the other network is untrusted.				
SIP Parameter values	SIP_response 1: Reason: Q.850;cause= Response_cause SIP_response 2:				
Comments					
Message flows	Mx		SUT		lc
_	INVITE	←		←	INVITE
	SIP_response 1	→		→	SIP_response 2
	ACK	←		←	ACK

Table 6.2.2-1: Receipt of the Reason header in response

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
\/A 07	Reason: Q.850; cause=17 (user busy)
VA_07	480 Temporarily unavailable
\/A 00	Reason: Q.850; cause=18 (no user responding)
VA_08	480 Temporarily unavailable
VA_09	Reason: Q.850; cause=19 (no answer from the user) 480 Temporarily unavailable
VA_09	Reason: Q.850; cause=20 (subscriber absent)
VA_10	603 Decline
VA_10	Reason: Q.850; cause=21 (call rejected)
VA_11	480Temporarily unavailable
VA_11	Reason: Q.850; cause=21 (call rejected)
VA_12	410 Gone
V/_12	Reason: Q.850; cause=22 (number changed)
VA_13	433 Anonymity Disallowed
V/_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
\/A 00	Reason: Q.850; cause=31 (normal unspecified)
VA_20	486 Busy here
\/A 24	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
VA_22	Reason: Q.850; cause=41 (Temporary failure)
VA_23	500 Server Internal error
VA_23	Reason: Q.850; cause=50 (requested facility no subscribed)
VA_24	603 Decline
··· ·	Reason: Q.850; cause=55 (Incoming class barred within Closed User
	Group)
VA_25	403 Forbidden
	Reason: Q.850; cause=57 (bearer capability not authorized)
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)

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		
Selection criteria	NOT PICS 7.2.1/2 AND NOT PICS 7.2.2/4		
Test Purpose name	The P-Profile-Key he	eader field is passed if the other	er network is trusted
Test Purpose			from the other trusted network and a
	P-Profile-Key header	r field is present, the INVITE is	forwarded to the own network and the
	P-Profile-Key header	r field is left in the request.	
SIP Parameter values	INVITE 1: P-Profile-Key: <sip: identity@hostportion="" public="" service="" wildcarded=""></sip:>		
	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 AND PICS 7.2.2/4			
Test Purpose name	The P-Profile-Key he	ader field is removed if the oth	er network is trusted	
Test Purpose	When the IBCF recei	ves an initial INVITE request fr	om the other trusted network and a	
			forwarded to the own network and the	
		field is removed from the requ		
SIP Parameter values	INVITE 1: P-Profile-k	Key: <sip:<i>Wildcarded Public Se</sip:<i>	ervice Identity@Hostportion>	
	INVITE 2:			
Comments				
Message flows	Mx	SUT	lc	
			← INVITE 1	
	INVITE 2	←	→ 100 Trying	
	Apply post test 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 head	der field is removed if the o	other network is untrusted
Test Purpose			It from the other untrusted network and a is forwarded to the own network and the
	P-Profile-Key header fi	eld is removed from the re	equest.
SIP Parameter values	INVITE 1: P-Profile-Key: <sip: identity@hostportion="" public="" service="" wildcarded=""></sip:>		
	INVITE 2:		
Comments			
Message flows	Mx	SUT	Ic
			← INVITE 1
	INVITE 2	←	→ 100 Trying
	Apply post test routine		

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 PICS 7.2.2/5		
Test Purpose name	The P-Served-User head	der field is passed if the oth	er network is trusted	
Test Purpose			om the other trusted network and a	
	P-Served-User header fi	eld is present, the INVITE i	s forwarded to the own network and the	
	P-Served-User header fi	eld is left in the request.		
SIP Parameter values	INVITE 1: P-Served-Use	INVITE 1: P-Served-User: <sip:user@example.com>; sescase=orig; regstate=reg</sip:user@example.com>		
	INVITE 2: 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	←	→ 100 Trying	
		Apply post test routine		

TP number	IBCF_202_015	Reference	4.4.8 [1]	
TSS reference	Entry_Point/bcall			
Selection criteria	NOT PICS 7.2.1/2 AND PICS 7.2.2/5			
Test Purpose name	The P-Served-User header fie	ld is removed if the other netw	ork is trusted	
Test Purpose	When the IBCF receives an ini	tial INVITE request from the o	ther trusted network and a	
	P-Served-User header field is		ed to the own network and the	
	P-Served-User header field is	removed from the request.		
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 routine			

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 h	eader field is removed if th	e other network is untrusted
Test Purpose	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	INVITE 1: P-Served-U	Jser: <sip:<i>user@example.</sip:<i>	com>; sescase=orig; regstate=reg
Comments			
Message flows	Mx	SUT	ic ← INVITE 1
	INVITE 2	← Apply post te	→ 100 Trying st routine

TP number	IBCF_202_017 Refe	rence 4.4.10 [1]		
TSS reference	Entry_Point/bcall			
Selection criteria	NOT PICS 7.2.1/2			
Test Purpose name	The P-Private-Network-Indication hea	The P-Private-Network-Indication header field is passed if the other network is trusted		
Test Purpose	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	Mx INVITE 2 ←	SUT Ic ← INVITE 1 → 100 Trying ply post test routine		

		Apply post test routine	
	INVITE 2	→	100 Trying
		←	INVITE 1
Message flows	Mx	SUT	lc
Comments			
	INVITE 2:		
SIP Parameter values	INVITE 1: P-Private-Network-Indication: [any URI]		
	network and the P-Private-Network		removed from the request.
	P-Private-Network-Indication he		
Test Purpose	When the IBCF receives an init		
Test Purpose name	The P-Private-Network-Indication	on header field is removed if the	he other network is untrusted
Selection criteria	PICS 7.2.1/2		·
TSS reference	Entry_Point/bcall		
TP number	IBCF_202_018	Reference	4.4.10 [1]

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-Se	ervice header field is remov	ed if the other network is 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:	d-Service: urn:urn-7:3gpp-se	ervice.exampletelephony.version1
Comments			
Message flows	Mx	SUT	Ic ← INVITE 1
	INVITE 2	← Apply post tes	→ 100 Trying troutine

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 7.2.2/6			
Test Purpose name	The P- P-Asserted-Service	header field is removed	if the other network is trusted	
Test Purpose	P-Asserted-Service header	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 INVITE 2:			
Comments				
Message flows	Mx INVITE 2	SUT Apply post test r	Ic ← INVITE 1 → 100 Trying outine	

TP number	IBCF_202_021	Reference	4.4.5 [1]
TSS reference	Entry_Point/bcall		
Selection criteria	NOT PICS 7.2.1/2 AND NOT PICS 7.2.2/6		
Test Purpose name	The P- P-Asserted-Se	ervice header field is left if the	other network is 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 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	← Apply post test r	→ 100 Trying 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-Earl	y-Media header to the INVITE
Test Purpose		sure that a P-Early-Media	m the other network and no P-Early-Media header is included in the INVITE request
SIP Parameter values	INVITE 1: INVITE 2: P-Early-Me	dia:supported	
Comments		1.1	
Message flows	Mx INVITE 2	SUT ← Apply post te	Ic ← INVITE 1 est 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 F	PICS 7.1.1/2			
Test Purpose name	P-Early-Media not re	eceived IBCF adds a P-Early-N	Media 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 1: 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	BCF adds a P-Early-Media h	neader to the 183 response			
Test Purpose			se from the own network and no			
			Media header is included in the			
	183 Session Progress respo	nse sent to the other networl	k.			
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 routin	e			

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 received IBCF	removes the P-Early-Media he	eader from 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-Media: supported INVITE 2:				
Comments					
Message flows	Mx INVITE 2	SUT Apply post test routine	Ic INVITE 1		

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 rece	eived IBCF removes the P-Ea	arly-Media header from 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: P-Early-Media: "sendrecv" 180 Ringing 2:				
Comments	<u> </u>				
Message flows	Mx INVITE	SUT	lc ← INVITE		
	180 Ringing 1	Apply post te	→ 180 Ringing 2		

TP number	IBCF_202_027	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 received IBC	F removes the P-Early-M	/ledia he	ader from the 183 response		
Test Purpose	P-Early-Media header is pre	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.				
SIP Parameter values	183 Session Progress 1:P-I 183 Session Progress 12:	Early-Media: "sendrecv"				
Comments	-					
Message flows	Mx	SUT		lc		
	INVITE	←	←	INVITE		
	180 Ringing → 180 Ringing					
	183 Session Progress 1					
		Apply post test ro	utine	-		

TP number	IBCF_202_028		Reference		5.10.6.2 [1]		
TSS reference	Entry_Point/bcal	I					
Selection criteria	PICS 7.2.2/11 A	ND PICS 7.1.1	/2				
Test Purpose name	P-Early-Media re	eceived IBCF m	nodifies the P-Early-M	ledia hea	ader in the 180 response		
Test Purpose			Ringing response fro				
				Early-Me	dia header is modified in the		
	180 Ringing resp	oonse sent to th	ne other network.				
SIP Parameter values	180 Ringing 1:	P-Early-Media	a:				
	180 Ringing 2:	180 Ringing 2: P-Early-Media: Not equal to the received value					
Comments		•					
Message flows	Mx SUT Ic						
	INVITE	+		←	INVITE		
	180 Ringing 1	→		→	180 Ringing 2		
	Apply post test routine						

TP number	IBCF_202_029	Reference	5.10.6.2 [1]			
TSS reference	Entry_Point/bcall					
Selection criteria	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 in 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		ot equal to				
	183 Session Progress 2:	P-Early-Media:				
Comments						
Message flows	Mx	SUT	Ic			
	INVITE	←	← INVITE			
	183 Session Progress	→	→ 183 Session Progress			
	Apply post test routine					

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	t received IBCF adds a P-Ass	serted-Identity to an INVITE request			
Test Purpose	P-Asserted-Identity is p	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-					
Comments		,	•			
Message flows	Mx	SUT	lc			
	INVITE 2 Apply post test routine					

TP number	IBCF_202_031	Reference	5.10.6.2 [1]				
TSS reference	Entry_Point/bcall	Entry_Point/bcall					
Selection criteria	PICS 7.2.2/21 AND F	PICS 7.2.2/22					
Test Purpose name	P-Asserted-Identity re	eceived IBCF replaces the P-A	Asserted-Identity in an INVITE request				
Test Purpose	P-Asserted-Identity is	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	Mx INVITE	SUT ← Apply post test r	Ic ← INVITE outine				

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 received IB	CF omits the P-Asserted-Iden	tity 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-Identity: <[any URI]> INVITE 2:				
Comments					
Message flows	Mx	SUT	lc		
	INVITE +	← Apply post test routine	INVITE		

TP number	IBCF_202_033	Reference	5.10.6.2 [1]			
TSS reference	Entry_Point/bcall					
Selection criteria	PICS 7.2.2/21 AND PICS 7.2.2	/22				
Test Purpose name	P-Asserted-Identity received IB	CF replaces the P-Asserted-le	dentity in an INFO request			
Test Purpose	When the IBCF receives an INF					
	is present, ensure that a netwo					
	P-Asserted-Identity is removed	in the INFO request sent to the	ne own network.			
SIP Parameter values	INFO 1: P-Asserted-Identity:	<[any URI]>				
	INFO 2: P-Asserted-Identity:	<[network specific URI]>				
Comments	The INFO request sent to the o	ther 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				

TP number	IBCF_202_034	Reference	5.10.2 [1],			
			16.6 [19]			
TSS reference	Entry_Point/bcall					
Selection criteria	NOT PICS 7.1.1/2					
Test Purpose name	A Via header is added in the IN	IVITE				
Test Purpose	Ensure that the IBCF on receipt of an INVITE 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	INVITE 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value] INVITE 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	Ic			
	INVITE 2 ← INVITE 1					
	Apply post test routine					

IBCF_202_035	Reference	5.10.2 [1], 16.4 [19]	
Entry_Point/bcall		10.1[10]	
NOT PICS 7.1.1/2			
A Via header is added in	n the ACK		
Ensure that the IUT on receipt of an ACK 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.			
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]			
Mx INVITE 180 Ringing 200 OK INVITE ACK 1	SUT ← → ← Apply post test re	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1 outine	
	Entry_Point/bcall NOT PICS 7.1.1/2 A Via header is added i Ensure that the IUT on message to the other no location with a protocol parameter beginning with ACK 1: VIA: SIP/2.0/[tra ACK 2: VIA: SIP/2.0/ VIA: SIP/2.0/ Mx INVITE 180 Ringing 200 OK INVITE	Entry_Point/bcall NOT PICS 7.1.1/2 A Via header is added in the ACK Ensure that the IUT on receipt of an ACK request fr message to the other network after having inserted location with a protocol name set to SIP, a protocol parameter beginning with "z9hG4bK" - to the receiv ACK 1: VIA: SIP/2.0/[transport] [any URI 1];branch= ACK 2: VIA: SIP/2.0/[transport] [URI of IBCF];bra VIA: SIP/2.0/[transport] [any URI 1];branch= Mx SUT INVITE 180 Ringing 200 OK INVITE	

TP number	IBCF_202_036	Reference	5.10.2 [1],		
T00 (16.6 [19]		
TSS reference	Entry_Point/bcall				
Selection criteria	NOT PICS 7.1.1/2				
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	other network forwards the		
-	message to the own network a	fter having inserted in first posi	tion a Via header - set to its		
	location with a protocol name s				
	parameter beginning with "z9h				
SIP Parameter values	CANCEL 1: VIA: SIP/2.0/[trans				
on randingtor values	0/1140EE 1: VI/1: OII /2:0/[trails	port [any Orti 1], branch=[any	valuej		
	CANCEL 2: VIA: CID/2 Offerspan att [LID] of IDCE bronch TOb CAb/Conv. volve]				
	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]				
	VIA. SIF/2.0/[transport] [arry OKT 1],Dranch=[arry value]				
Comments					
Message flows	Mx	SUT	lc		
	INVITE ←	←	INVITE		
	180 Ringing →	→	180 Ringing		
	CANCEL 2	←	CANCEL 1		
	Apply post test routine				

		Apply post test	routine		
	BYE 2	←	← BYE 1		
Message flows	Mx	SUT	lc		
Comments					
	VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]				
	BYE 2:VIA: SIP/2.0/[tra	ansport] [URI of IBCF];branc	h= z9hG4bK[any value]		
SIP Parameter values	BYE 1: VIA: SIP/2.0/[tr	BYE 1: VIA: SIP/2.0/[transport] [any URI 1];branch=[any value]			
	parameter beginning w	vith "z9hG4bK" - to the recei	ved list of Via headers.		
			I version set to 2.0 and a branch		
10011 di pooc			in first position a Via header - set to its		
Test Purpose			om the other network forwards the		
Test Purpose name	A Via header is added	in the BYE			
Selection criteria	NOT PICS 7.1.1/2				
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 th	e IBCF is removed from the to	op of Route headers in ACK		
Test Purpose	Ensure that the IUT on	receipt of an ACK request fro	m the other network including a Route		
	header with the first val	ue indicates the IUT, removes	s that value from the request and		
	forwards the message t	to the own network.	·		
SIP Parameter values	ACK 1: Route: <sip:[< th=""><th>[URI of IBCF];Ir></th><th></th></sip:[<>	[URI of IBCF];Ir>			
	Route: <sip:< th=""><th>any URI];Ir></th><th></th></sip:<>	any URI];Ir>			
	ACK 2: Route: <sip:[< th=""><th>[any URI];lr></th><th></th></sip:[<>	[any URI];lr>			
Comments		-			
Message flows	Mx	SUT	Ic		
	INVITE	←	← INVITE		
	180 Ringing	→	→ 180 Ringing		
	200 OK INVITE → 200 OK INVITE				
	ACK 1	←	← ACK 1		
	Apply post test routine				

TP number	IBCF_202_039	Reference		5.10.2 [1]
TSS reference	Entry_Point/bcall			
Selection criteria				
Test Purpose name	ACK without Route he	ader received		
Test Purpose				ther network without a Route t-URI in the own network.
SIP Parameter values				
Comments				
Message flows	Mx	SU	T	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 IE	BCF 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:[2:="" <sip:[="" <sip:[<="" cancel="" route:="" th=""><th>[any URI]>;Ir</th><th></th></sip:[>	[any URI]>;Ir			
Comments					
Message flows	Mx INVITE 180 Ringing CANCEL 2	SUT ← → Apply post test rout	Ic ← INVITE → 180 Ringing ← CANCEL 1 ine		

TP number	IBCF_202_041	Reference	e	5.10.2 [1]
TSS reference	Entry_Point/bcall			
Selection criteria				
Test Purpose name	CANCEL without Rou	te header received		
Test Purpose				ne other network without a Request-URI in the own
SIP Parameter values				
Comments				
Message flows	Mx INVITE 180 Ringing CANCEL	← → ← Apply į	SUT	IC INVITE 180 Ringing CANCEL

TP number	IBCF_202_042	Reference	5.10.2 [1]			
TSS reference	Entry_Point/bcall	•	·			
Selection criteria						
Test Purpose name	The Route header of th	e IBCF is removed from the to	op of Route headers in BYE			
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</sip:[any></sip:[uri>				
Comments		- 1,				
Message flows	Mx	SUT	lc			
	BYE 2					

TP number	IBCF_202_043	Reference	5.10.6.2 [1]
TSS reference	Entry_Point/bcall		
Selection criteria			
Test Purpose name	BYE without Route header rece	eived	
Test Purpose	Ensure that the IUT on receipt header, forwards the message		
SIP Parameter values			
Comments			
Message flows	Mx	SUT	Ic
	INVITE ←	←	INVITE
	180 Ringing →	→	180 Ringing
	200 OK INVITE ←	←	200 OK INVITE
	BYE ←	←	BYE
	200 OK BYE →	→	200 OK BYE
		Apply post test routine	

6.2.3 Screening of SIP signalling

6.2.3.1 Basic call requirements

TP number	IBCF_203_00)1 R	eference		Annex A [3]	
TSS reference	Entry_Point/s	cr/bcall				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Accept heade	er supported in INVI	ΤΕ			
Test Purpose	header, ensu	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: Ac	INVITE: Accept: multipart/mixed				
Comments						
Message flows	M	x	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 supported in 20	00 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: application/	/sdp			
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_003	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall	·	·	
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Accept header support	rted in BYE		
Test Purpose	When the IBCF receives a BYE request from the other network containing an Accept header, ensure that a 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: ap	olication/sdp		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	←	← BYE	
	Apply post test routine			

TP number	IBCF_203_004	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcal	I				
Selection criteria	PICS 7.1.1/3 AND P	PICS 7.2.2/18				
Test Purpose name	Accept-Contact hea	der supported in INVITE				
Test Purpose	Accept-Contact head	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-C	INVITE: Accept-Contact: * mobility="mobile";language="en,de"				
Comments						
Message flows	Mx SUT Ic					
	INVITE	← Apply post test r	← INVITE outine			

TP number	IBCF_203_005	Reference	Annex A [3]			
TSS reference	Entry_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 other network containing an Accept-Contact header, ensure that a BYE request is sent to the own network and the Accept-Contact header is present as received from the other 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_203	3_006	Reference	Annex A [3]	
TSS reference	Entry_Poi	nt/scr/bcall			
Selection criteria	PICS 7.1.	1/3			
Test Purpose name	Accept-Er	ncoding header suppo	orted in INVITE		
Test Purpose	Accept-Er	ncoding header, ensu	/ITE request from the other note that an INVITE request is some present as received from the	sent to the own network and	
SIP Parameter values	INVITE:	Accept-Encoding: gz	ip		
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 header supp	oorted in 200 OK				
Test Purpose	When the IBCF receives a 200 OK INVITE response 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-Encoding: g					
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_008	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Accept-Encoding header supp	orted in BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing an Accept-Encoding header, ensure that a BYE request is sent to the own network and the Accept-Encoding header is present as received from the other network.				
SIP Parameter values	BYE: Accept-Encoding: gzip				
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE €	-	BYE		
	Apply post test routine				

TP number	IBCF_203	3_009	Reference		Annex A [3]	
TSS reference	Entry_Po	int/scr/bcall				
Selection criteria	PICS 7.1.	1/3				
Test Purpose name	Accept-La	anguage header supp	orted in INVITE			
Test Purpose	Accept-La	When the IBCF receives an INVITE request from the other network containing an Accept-Language header, ensure that an INVITE request is sent to the own network and the Accept-Language header is present as received from the other network.				
SIP Parameter values	INVITE:	Accept-Language: e	en, de			
Comments						
Message flows		Mx	SUT		lc	
	INVITE	+		←	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	der supported in 200 OK	
Test Purpose	Accept-Language head	ler, ensure that a 200 OK IN	se from the other network containing an IVITE response is sent to the own nt as received from the other network.
SIP Parameter values	200 OK: Accept-Lang		
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE

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 header supp	orted 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-Language: en, c	le			
Comments					
Message flows	Mx	SUT	Ic		
	A session is already established				
	BYE ←	←	BYE		
		Apply post test routine			

TP number	IBCF_203_012	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Allow header supported in	INVITE				
Test Purpose		VITE request is sent to the	he other network containing an Allow he own network and the Allow header is			
SIP Parameter values	INVITE: Allow: INVITE, ACK, CANCEL, BYE					
Comments						
Message flows	Mx	SUT	Ic			
	INVITE	←	← 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 supported in '	180	
Test Purpose		180 Ringing response is s	the own network containing an ent to the other network and the vork.
SIP Parameter values	180: Allow: INVITE, ACK,	CANCEL, BYE	
Comments			
Message flows	Mx	SUT	lc
	INVITE	-	← INVITE
	180 Ringing	→	→ 180 Ringing
		Apply post test rou	tine

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	Allow header, ensure t		ponse from the own network containing an sponse is sent to the other network and the own network.
SIP Parameter values	200 OK: Allow: INVI	ΓΕ, ACK, CANCEL, BYE	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post t	← INVITE→ 180 Ringing→ 200 OK INVITE

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 supported in B	/E			
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	(E BYE		
	Apply post test routine				

.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 support	ed in 200 OK BYE			
Test Purpose	Allow header, ensure		rom the own network containing an is sent to the other network and the etwork.		
SIP Parameter values	200 OK BYE: Allow: I	200 OK BYE: Allow: INVITE, ACK, CANCEL, OPTIONS, 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_Point/scr/bo	call				
Selection criteria	PICS 7.1.1/3	PICS 7.1.1/3				
Test Purpose name	Allow-Events head	Allow-Events header supported in INVITE				
Test Purpose	Allow-Events head	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-E	events: call-completion				
Comments						
Message flows	Mx	SU	T Ic			
	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 su	pported in 200 OK	
Test Purpose	Allow-Events header, e		nse from the own network containing an E response is sent to the other network ed from the own network.
SIP Parameter values	200 OK: Allow-Events	s: call-completion	
Comments		·	
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test	lc ← INVITE → 180 Ringing → 200 OK INVITE

IBCF_203_019	Reference	Annex A [3]
Entry_Point/scr/bcall	·	·
PICS 7.1.1/3		
Allow-Events header s	supported in BYE	
header, ensure that a is present as received	BYE request is sent to the ow from the other network.	
BYE: Allow-Events:	call-completion	
Mx	SUT	lc
	A session is already e	stablished
BYE	Apply post tost w	← BYE
	Entry_Point/scr/bcall PICS 7.1.1/3 Allow-Events header s When the IBCF receiv header, ensure that a is present as received BYE: Allow-Events:	Entry_Point/scr/bcall PICS 7.1.1/3 Allow-Events header supported in BYE When the IBCF receives a BYE request from the oth header, ensure that a BYE request is sent to the ow is present as received from the other network. BYE: Allow-Events: call-completion Mx SUT A session is already e

TP number	IBCF_203_020	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall	·				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Allow-Events header	supported in 200 OK BYE				
Test Purpose	Allow-Events header,		rom the own network containing an sponse is sent to the other network and the own network.			
SIP Parameter values	200 OK BYE: Allow-E	vents: call-completion				
Comments						
Message flows	Mx	SUT	lc			
		A session is already established				
	BYE	←	← BYE			
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF_203_021	Referen	се	Annex A [3]		
TSS reference	Entry_Point/scr/bca	all				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Call-ID header supp	ported in INVITE				
Test Purpose	header, ensure that	When the IBCF receives an INVITE request from the other network containing a Call-ID header, ensure that an INVITE request is sent to the own network and the Call-ID header is present as received from the other network.				
SIP Parameter values	INVITE: Call-ID:	[any value]				
Comments						
Message flows	Mx		SUT	lc		
	INVITE	←	•	- INVITE		
	Apply post test routine					

0TP 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 supported in	180	
Test Purpose	Call-ID header, ensure that		he own network containing a ent to the other network and the work.
SIP Parameter values	180: Call-ID: [any value]		
Comments			
Message flows	Mx INVITE	SUT	ic L INVITE
	180 Ringing	Apply post test routing	→ 180 Ringing

TP number	IBCF_203_023	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3	PICS 7.1.1/3				
Test Purpose name	Call-ID header supported in 20					
Test Purpose	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 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	SUT	lc			
	INVITE	- ←	INVITE			
	180 Ringing	→	180 Ringing			
	200 OK INVITE	→	200 OK INVITE			
		Apply post test routine				

	ACK request from the other netwon the comment of th	
I-ID header supported in A en the IBCF receives an A der, ensure that an ACK is sent as received from the	ACK request from the other netwon the comment of th	
en the IBCF receives an Ader, ensure that an ACK resent as received from the	ACK request from the other netwon the comment of th	
der, ensure that an ACK resent as received from the	request is sent to the own netwo	
Call-ID: [any value]		
t. Can ib. [arry value]		
Ringing OK INVITE	→ → → → ← ←	Ic INVITE 180 Ringing 200 OK INVITE ACK
	ITE Ringing OK INVITE	ITE ← Ringing → 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 o	other network containing a Call-ID wn network and the Call-ID header is	
SIP Parameter values	BYE: Call-ID: [any value	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 supporte	ed in 200 OK BYE				
Test Purpose	Call-ID header, ensure	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: [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	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Call-Info header supported ir	Call-Info header supported in INVITE				
Test Purpose	When the IBCF receives an header, ensure that an INVIT is present as received from the	NVITE request from the other note to the own net not other network.	etwork containing a Call-Info work and the Call-Info header			
SIP Parameter values	INVITE: Call-Info: <[any UI	RI]>				
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, ensur		rom the own network containing a nse is sent to the other network and the vn 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 supported 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	-	Ic INVITE 180 Ringing 200 OK INVITE		

TP number	IBCF_203_030	Referen	ice	Annex A [3]		
TSS reference	Entry_Point/scr/bo	call				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Contact header so	upported in INVITE				
Test Purpose	header, ensure th	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	t: <[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 supported in 1	80	
Test Purpose	Contact header, ensure that a	D Ringing response from the ow 180 Ringing response is sent to received from the own network.	o the other network and the
SIP Parameter values	180: Contact: <[any URI]>		
Comments			
Message flows	Mx	SUT	lc
	INVITE	-	INVITE
	180 Ringing	→	180 Ringing
		Apply post test 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	rted 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: Conf	act: <[any URI]>			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test i	Ic ← INVITE → 180 Ringing → 200 OK INVITE		

TP number	IBCF_203_033	Refere	ence	Annex A [3]
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3			
Test Purpose name	Contact header suppo	rted in ACK		
Test Purpose		n ACK request is	s sent to the own netw	work containing a Contact ork and the Contact header is
SIP Parameter values	ACK: Contact: <[any	URI]>		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	← → → ←	SUT ← → ← Hy post test routine	Ic INVITE 180 Ringing 200 OK INVITE ACK

TP number	IBCF_203_036	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 INVITE				
Test Purpose	Content-Disposition he	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: Content-Dis	sposition: session; handling=	optional			
Comments						
Message flows	Mx	SUT	lc			
	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 header su	pported in 180				
Test Purpose	When the IBCF receives a 180 Ringing response from the own network containing a Content-Disposition header, ensure that a 180 Ringing response is sent to the other network and the Content-Disposition header is present as received from the own network.					
SIP Parameter values	180: Content-Disposition: se	ssion; handling=optional				
Comments						
Message flows	Mx	SUT	lc			
	INVITE ←	· ←	INVITE			
	180 Ringing → 180 Ringing					
	Apply post test 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 he	eader supported in 200 OK II	NVITE		
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: Conf	ent-Disposition: session; ha	ndling=optional		
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_039	Reference		Annex A [3]		
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Disposition he	ader supported in ACK				
Test Purpose	Content-Disposition he	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	ACK: Content-Dispos	ition: session; handling=	optional=			
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → → ← Apply post t	← → ←	Ic INVITE 180 Ringing 200 OK INVITE ACK		

TP number	IBCF_203_040	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Disposition he	ader supported in BYE				
Test Purpose		es a BYE request from the o				
		Content-Disposition header, ensure that a BYE request is sent to the own network and the				
	Content-Disposition he	ader is present as received	from the other network.			
SIP Parameter values	BYE: Content-Dispos	ition: session; handling=opti	onal			
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	←	← BYE			
	Apply post test routine					

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 header su	pported in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Content-Disposition header, ensure that 200 OK BYE response is sent to the other network and the Content-Disposition header is present as received from the own network.				
SIP Parameter values	INVITE: Content-Disposition	: session; handling=optional			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE €	· ←	BYE		
	200 OK BYE -	· -	200 OK BYE		

TP number	IBCF_203	3_042	Refer	ence		Annex A [3]	
TSS reference	Entry_Poi	nt/scr/bcall					
Selection criteria	PICS 7.1.	1/3					
Test Purpose name	Content-E	incoding head	der supported	in INVITE			
Test Purpose	Content-E	ncoding head	der, ensure tha	at an INVITE re	quest is	etwork containing a sent to the own network and e other network.	i
SIP Parameter values	INVITE:	Content-End	oding: gzip				
Comments							
Message flows		Mx		SUT		Ic	
	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		ider, ensure that a 180	Ringing respon	wn network containing a use is sent to the other network m the own network.
SIP Parameter values	180: Content-Encod	ing: gzip		
Comments				
Message flows	Mx	S	UT	lc
	INVITE	←	+	INVITE
	180 Ringing	→	→	180 Ringing
		Apply pos	t test 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 IN\	/ITE
Test Purpose	Content-Encoding hea	ader, ensure that a 200 OK IN	se from the own network containing a IVITE response is sent to the other ent as received from the own network.
SIP Parameter values	200 OK INVITE: Cor	ntent-Encoding: gzip	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test i	Ic ← INVITE → 180 Ringing → 200 OK INVITE

TP number	IBCF_203_045	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		•
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Content-Encoding header sup	ported in ACK	
Test Purpose	Content-Encoding header, en	CK request from the other netwoer that an ACK request is sere resent as received from the other.	nt to the own network and the
SIP Parameter values	ACK: Content-Encoding: gzip)	
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_203_046	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 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-Encod	ding: 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 hea	ader supported in 200 OK BYI			
Test Purpose	Content-Encoding hea	ader, ensure that a 200 OK B	rom the own network containing a YE response is sent to the other nt 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_048	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Language header sup	ported in INVITE			
Test Purpose	When the IBCF receives an IN Content-Language header, enthe Content-Language header	sure that an INVITE request is	sent to the own network and		
SIP Parameter values	INVITE: Content-Language:	fr, de			
Comments					
Message flows	Mx	SUT	lc		
	INVITE ←	←	INVITE		
	Apply post test routine				

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 header sup	ported 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-Language: fr, d	e			
Comments					
Message flows	Mx	SUT	lc		
	INVITE ←	←	INVITE		
	180 Ringing →	→	180 Ringing		
		Apply post test routine			

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 he	eader supported in 200 OK IN	IVITE
Test Purpose	Content-Language he	eader, ensure that a 200 OK	se from the own network containing a NVITE response is sent to the other ent as received from the own network.
SIP Parameter values	200 OK INVITE: Cor	ntent-Language: fr, de	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test	lc ← 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 sup	ported in ACK	
Test Purpose	When the IBCF receives an AC		
	Content-Language header, ens		
	Content-Language header is p	resent as received from the ot	her network.
SIP Parameter values	ACK: Content-Language: fr, d	le	
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_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	eader supported in BYE		
Test Purpose	Content-Language he	ves a BYE request from the otle eader, ensure that a BYE reque eader is present as received fro	est is sent to the own network and the	
SIP Parameter values	BYE: Content-Lang			
Comments				
Message flows	Mx	SUT A session is already e	lc stablished	
	BYE			

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 header sup	ported in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Content-Language header, ensure that a 200 OK BYE 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 BYE: Content-Langua	ge: 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 supported in INVITE		
Test Purpose	Content-Length	receives an INVITE request header, ensure that an INVI header is present as receive	TE request is se	nt to the own network and the
SIP Parameter values	INVITE: Conte	ent-Length: [any value]		
Comments				
Message flows	Mx	S	UT	lc
	INVITE	←	+	INVITE
	Apply post test routine			

TP number	IBCF_203_055	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcal	ll .			
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Length hea	der 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-l SDP 2	Length: [any value]			
Comments					
Message flows	Mx	SU	T Ic		
	INVITE 180 Ringing	← → Annly post (← INVITE → 180 Ringing		
		Apply post t	test 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 INVIT	E			
Test Purpose	Content-Length head	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: SDI 200 OK INVITE: Cor SDI	ntent-Length: [any value]				
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_203_057	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Length header suppo	rted in ACK				
Test Purpose	Content-Length header, ensur	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-Length: [ar	ACK: Content-Length: [any value]				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	→ → →	Ic INVITE 180 Ringing 200 OK INVITE ACK			

TP number	IBCF_203_058	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 BYE			
Test Purpose	When the IBCF receives a BYE request from the other network containing a Content-Length header, ensure that a BYE request is sent to the own network and the Content-Length header is present as received from the other network.				
SIP Parameter values	BYE: Content-Lengt	h: [any value]			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	←	← BYE		
	Apply post test routine				

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 header support	rted in 200 OK BYE		
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Content-Length header, ensure that a 200 OK BYE response is sent to the other network and the Content-Length header is present as received from the own network.			
SIP Parameter values	200 OK BYE: Content-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/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Content-Type header support	orted in INVITE				
Test Purpose	Content-Type header, ensu	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-Type: application/sdp					
Comments						
Message flows	Mx	SUT	lc			
	INVITE	← Apply post test rou	← INVITE			

TP number	IBCF_203_061	Reference		Annex A [3]	
TSS reference	Entry_Point/scr/bcall	<u>.</u>			
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	S	UT	lc	
_	INVITE	←	←	INVITE	
	180 Ringing	→	→	180 Ringing	
	Apply post test routine				

TP number	IBCF_203_062	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header supporte	d in 200 OK INVITE			
Test Purpose	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.				
SIP Parameter values	200 OK INVITE: Content-Type	e: application/sdp			
Comments					
Message flows	Mx INVITE ← 180 Ringing → 200 OK INVITE →	SUT ← → Apply post test routine	Ic INVITE 180 Ringing 200 OK INVITE		

TP number	IBCF_203_063	Refe	rence		Annex A [3]
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Content-Type header :	supported in A	CK		
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/sd	p		
Comments					
Message flows	Mx		SUT		lc
	INVITE	←		←	INVITE
	180 Ringing	→		→	180 Ringing
	200 OK INVITE → 200 OK INVITE				
	ACK	←		←	ACK
		Ap	ply post test rou	tine	

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	d 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 f	rom the other network.			
SIP Parameter values	BYE: Content-Type: application	on/sdp			
Comments					
Message flows	Mx	SUT	Ic		
	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	•	<u> </u>			
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					
	200 OK BYE → 200 OK BYE					
	Apply post test routine					

TP number	IBCF_203_066	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 INVITE				
Test Purpose	header, ensure that ar	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	INVITE: Cseq: [any	value] INVITE				
Comments						
Message flows	Mx	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	ed in 180		
Test Purpose	header, ensure that a		s sent to the of	wn network containing a Cseq ther network and the Cseq
SIP Parameter values	180: Cseq: [any val	ue] INVITE		
Comments				
Message flows	Mx	SU	Т	Ic
	INVITE	←	←	INVITE
	180 Ringing	→	→	180 Ringing
		Apply post	test 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 supported 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: Cseq: [any value]	alue] INVITE		
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_069	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 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 val	ue] ACK			
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK routine		

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	header, ensure that a		the other network containing a Cseq the own network and the Cseq header is		
SIP Parameter values	BYE: Cseq: [any val	ue] BYE			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE	←	← BYE		
		Apply post test	routine		

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			rom 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 r	eceived from the own networ	k.			
SIP Parameter values	200 OK BYE: Cseq: [a	200 OK BYE: Cseq: [any value] BYE				
Comments						
Message flows	Mx	SUT	Ic			
	A session is already established					
	BYE	←	← BYE			
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF_203_072	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Date header supported in INVI	ΓΕ			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a Date header, ensure that an INVITE request is sent to the own network and the Date header is present as received from the other network.				
SIP Parameter values	INVITE: Date: Wen, 23 Mar 2011 13:03:00 GMT				
Comments					
Message flows	Mx	SUT	lc		
	INVITE +	←	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 supported	l in 180	
Test Purpose	header, ensure that a 1		om the own network containing a Date to the other network and the Date c.
SIP Parameter values	180: Date: Wen, 23 M	Mar 2011 13:03:00 GMT	
Comments			
Message flows	Mx	SUT	Ic
	INVITE	←	← INVITE
	180 Ringing	→	→ 180 Ringing
		Apply post test re	outine

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			

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	d in ACK				
Test Purpose	that an ACK request is	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	03:00 GMT			
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	← →	SUT	← →	Ic INVITE 180 Ringing 200 OK INVITE	
	ACK	(ply post test rou	←	ACK	

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 supported in BYE				
Test Purpose	When the IBCF receives a BYE that a BYE request is sent to the from the other network.				
SIP Parameter values	BYE: Date: Wen, 23 Mar 2017	1 13:03:00 GMT			
Comments					
Message flows	Mx	SUT	Ic		
	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	ed in 200 OK BYE			
Test Purpose	When the IBCF receives a 200 OK BYE response from the own network containing a Date header, ensure that a 200 OK BYE response is sent to the other network and the Date header is present as received from the own network.				
SIP Parameter values	200 OK BYE: Date: V	200 OK BYE: Date: Wen, 23 Mar 2011 13:03:00 GMT			
Comments					
Message flows	Mx	SUT	Ic		
	A session is already established				
	BYE	←	← BYE		
	200 OK BYE	→	→ 200 OK BYE		

TP number	IBCF_20	3_078	Referen	се	Annex A [3	3]
TSS reference	Entry_Po	int/scr/bcall				
Selection criteria	PICS 7.1	.1/3				
Test Purpose name	Expires h	neader supported	in INVITE			
Test Purpose	header, e	e IBCF receives an ensure that an INV t as received from	/ITE request i	s sent to the own		
SIP Parameter values	INVITE:	Expires: 3600				
Comments						
Message flows		Mx		SUT		lc
	INVITE		←	•	← INVITE	
	Apply post 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 suppor	ted in 180			
Test Purpose	Expires header, ensure		oonse is sent	wn network containing an to the other network and the	
SIP Parameter values	180: Expires: 3600				
Comments					
Message flows	Mx	SUT		Ic	
	INVITE	←	←	INVITE	
	180 Ringing	→	→	180 Ringing	
	Apply post test routine				

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		orted in 200 OK INVITE	
Test Purpose	Expires header, ensu		se from the own network containing a conse is sent to the other network and own 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

TP number	IBCF_203_08	31 R	leference	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	re that a SUBSCRIE	SRIBE request from the other BE request is sent to the own om the other network.	network containing an Event network and the Event
SIP Parameter values	SUBSRIBE:	Event: call-comple	tion	
Comments				
Message flows	M	x	SUT	lc
	SUBSRIBE	←	←	SUBSRIBE
			Apply post test routine	

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	ed in NOTIFY			
Test Purpose	When the IBCF received header, ensure that a present as received from the control of the control	NOTIFY request is sent	om the other network containing an Event to the own network and the Event header is		
SIP Parameter values	NOTIFY: Event: call-	completion			
Comments					
Message flows	Mx	SUT	Γ lc		
	NOTIFY	←	← NOTIFY		
	Apply post test routine				

TP number	IBCF_203_083	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	From header suppor	ted in INVITE				
Test Purpose	header, ensure that a	When the IBCF receives an INVITE request from the other network containing a From header, ensure that an INVITE request is sent to the own network and the From header is present as received from the other network.				
SIP Parameter values	INVITE: From: <[a	INVITE: From: <[any URI]>; tag=[any value]				
Comments						
Message flows	Mx	SUT	lc			
	INVITE					

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 supported in 180		
Test Purpose		Ringing response from the ow ging response is sent to the oth from the own network.	
SIP Parameter values	180: From: <[any URI]>; tag	=[any value]	
Comments			
Message flows	Mx	SUT	lc
	INVITE +	·	INVITE
	180 Ringing	→	180 Ringing
		Apply post 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 supported 200 O	K 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 rece					
SIP Parameter values	200 OK INVITE: From: <[any	URI]>; tag=[any value]				
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_086	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	From header supported in A	ACK	
Test Purpose			r network containing a From network and the From header is
SIP Parameter values	ACK: From: <[any URI]>;	tag=[any value]	
Comments			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → Apply post test routil	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK ne

TP number	IBCF_203_087	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 BYE				
Test Purpose		uest is sent to the own netw	other network containing a From header, ork and the From header is present as			
SIP Parameter values	BYE: From: <[any UF	RI]>; tag=[any value]				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	←	← BYE			
	Apply post test routine					

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 supporte	d 200 OK BYE				
Test Purpose	header, ensure that a	When the IBCF receives a 200 OK BYE response from the own network containing a From header, ensure that a 200 OK BYE response is sent to the other network and the From header is present as received from the own 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			
	Apply post test routine					

TP number	IBCF_203_08	9 Refere	nce	Annex A [3]	
TSS reference	Entry_Point/s	cr/bcall			
Selection criteria	PICS 7.1.1/3	AND PICS 7.2.2/19			
Test Purpose name	Geolocation h	eader supported in INVI	ΓΕ		
Test Purpose	Geolocation h	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	M	x	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 PIC	S 7.2.2/19					
Test Purpose name	Geolocation header su	pported 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: <s< th=""><th>sip:[any URI]>; inserted-b</th><th>y=[any host-ID value]</th></s<>	sip:[any URI]>; inserted-b	y=[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						
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.2/19					
Test Purpose name	Geolocation-Error heade	r not supported 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 not present.						
SIP Parameter values	180: Geolocation-Error	: 100					
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 PI	CS 7.2.2/19				
Test Purpose name	Geolocation-Error he	ader not supported in 200 C	OK INVITE			
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 not present.					
SIP Parameter values	200 OK INVITE: Geo	olocation-Error: 100				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT → → Apply post tes	lc ← INVITE → 180 Ringing → 200 OK INVITE			

TP number	IBCF_203_093	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-Error header not	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 not present.						
SIP Parameter values	200 OK BYE: Geolocation-Err	or: 100					
Comments							
Message flows	Mx	SUT	lc				
	A session is already established						
	BYE ← BYE						
	Apply post test routine						

TP number	IBCF_203_094	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	Max-Breadth header not suppo	rted in INVITE			
Test Purpose	When the IBCF receives an IN Max-Breadth header, ensure the Max-Breadth header is not present the state of th	at an INVITE request is sent to			
SIP Parameter values	INVITE 1: Max-Breadth: 10 INVITE 2:				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	←	INVITE		
	Apply post test routine				

IBCF_203_095	Reference	Ann	ex A [3]					
Entry_Point/scr/bcall	Entry_Point/scr/bcall							
PICS 7.1.1/3								
Max-Breadth header n	ot supported in ACK							
	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.							
ACK 1: Max-Breadt ACK 2:	ACK 1: Max-Breadth: 10 ACK 2:							
Mx INVITE 180 Ringing 200 OK INVITE ACK	SUT ← → Apply post te	→ 200← ACh	Ringing OK INVITE					
	Entry_Point/scr/bcall PICS 7.1.1/3 Max-Breadth header n When the IBCF receiv header, ensure that ar header is not present. ACK 1: Max-Breadt ACK 2: Mx INVITE 180 Ringing 200 OK INVITE	Entry_Point/scr/bcall PICS 7.1.1/3 Max-Breadth header not supported in ACK When the IBCF receives an ACK request from the header, ensure that an ACK request is sent to the header is not present. ACK 1: Max-Breadth: 10 ACK 2: Mx SUT INVITE 180 Ringing 200 OK INVITE ACK	Entry_Point/scr/bcall PICS 7.1.1/3 Max-Breadth header not supported in ACK When the IBCF receives an ACK request from the other network cheader, ensure that an ACK request is sent to the own network an header is not present. ACK 1: Max-Breadth: 10 ACK 2: Mx SUT INVITE + INV 180 Ringing 200 OK INVITE + 200					

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	not supported in BYE				
Test Purpose	When the IBCF recei	ves a BYE request from the oth	er network containing a Max-Breadth			
			n network and the Max-Breadth header			
	is not present as rece	eived from the own network.				
SIP Parameter values	BYE 1:Max-Breadth:	10				
	BYE 2:					
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE	←	← BYE			
	Apply post test routine					

TP number	IBCF_203_097	Ref	erence	Annex A [3]			
TSS reference	Entry_Point/scr/b	call					
Selection criteria	PICS 7.1.1/3						
Test Purpose name	Max-Forwards he	eader supported in	INVITE				
Test Purpose	Max-Forwards he	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.					
SIP Parameter values	INVITE: Max-F	orwards: [any valu	e]				
Comments							
Message flows	Mx SUT Ic						
	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 support	ed in ACK	
Test Purpose	When the IBCF receives an AG	CK request from the other netw	ork containing a
	Max-Forwards header, ensure	that an ACK request is sent to	the own network and the
	Max-Forwards header is prese	ent.	
SIP Parameter values	ACK: Max-Forwards: [any va	lue]	
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_203_099	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Max-Forwards header supporte	ed 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.					
SIP Parameter values	BYE: Max-Forwards: [any val	ue]				
Comments		-				
Message flows	Mx	SUT	Ic			
	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 7.2.1	/1					
Test Purpose name	Min-Expires header supported	d					
Test Purpose	containing a Min-Expires head network, ensure that the 423	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.	1/3			
Test Purpose name	Organiza	tion header supp	orted in INVITE		
Test Purpose	Organiza	tion header, ens	ure that an INVITI		etwork containing an o the own network and the twork.
SIP Parameter values	INVITE:	Organization: "	ETSI-INT"		
Comments					
Message flows		Mx	5	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 suppo	orted in 180		
Test Purpose	When the IBCF receives a Organization header, ensu the Organization header is	re that a 180 Ringing re	sponse is	sent to the other network and
SIP Parameter values	180: Organization: "ETSI	-INT"		
Comments				
Message flows	Mx	SUT		lc
	INVITE	←	←	INVITE
	180 Ringing	→	→	180 Ringing
		Apply post test	routine	

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 INVIT	
Test Purpose	Organization header, e		nse from the own network containing a FE response is sent to the other network ed 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 tes	lc ← INVITE → 180 Ringing → 200 OK INVITE t routine

TP number	IBCF_203_104	Referen	се	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			•	
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.2/3			
Test Purpose name	The P-Charging-Vector	or header is suppo	rted in 180		
Test Purpose	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	ctor: icid; orig-ioi; t	term-ioi		
Comments					
Message flows	Mx		SUT	lc	
	INVITE	←		← INVITE	
	180 Ringing	→		→ 180 Ringing	
		Apply	post test rout	ine	

TP number	IBCF_203_105	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.2/3			
Test Purpose name	The P-Charging-Vecto	r header is supported in 20	00 OK INVITE		
Test Purpose	When the IBCF sends a 200 OK INVITE response to the other network, ensure that the P-Charging-Vector is present as received from the own network.				
SIP Parameter values	200 OK INVITE: P-Ch	narging-Vector: icid; orig-io	i; term-ioi		
Comments					
Message flows	Mx	SUT	lc		
	INVITE	←	← INVITE		
	180 Ringing	→	→ 180 Ringing		
	200 OK INVITE	→	→ 200 OK INVITE		
		Apply post tes	t routine		

TP number	IBCF_203_106	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.2/3			
Test Purpose name	The P-Charging-Vector	r header is not supported 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-Ved	etor: icid; orig-ioi; term-ioi			
Comments					
Message flows	Mx	SUT	lc		
	INVITE	←	← INVITE		
	180 Ringing 1	→	→ 180 Ringing 2		
	Apply post test routine				

TP number	IBCF_203_107	Reference	Annex A [3]			
TSS reference	Entry_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 not 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: P- 200 OK INVITE 2:	·Charging-Vector: icid; orig-	ioi; term-ioi			
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_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 header	not supported in INVITE		
Test Purpose	When the IBCF receives an IN			
	P-Media-Authorization header,	ensure that an INVITE reques	st is sent to the own network	
	and the P-Media-Authorization	header is not present.		
SIP Parameter values	INVITE 1: P-Media-Authorizati	on: 001d56ad781f		
	INVITE 2:			
Comments	The P-Media-Authorization hea	ader is combined with the reso	urce reservation procedure	
Message flows	Mx	SUT	lc	
	INVITE ←	←	INVITE	
	Apply post test routine			

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 header	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-Authorization: 001d56ad781f				
Comments	The P-Media-Authorization header is combined with the resource reservation procedure				
Message flows	Mx SUT Ic				
	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 I	neader not supported in 2	00 OK INVITE			
Test Purpose	P-Media-Authorization I	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- 200 OK INVITE 2:	Media-Authorization: 001	d56ad781f			
Comments	The P-Media-Authoriza	tion header is combined w	rith the resource 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 tes	routine			

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 he	eader not supported in INVIT	
Test Purpose	P-Preferred-Identity he		e other network containing a request is sent to the own network and
SIP Parameter values	INVITE 1: P-Preferred INVITE 2:	-Identity: <[any URI]>	
Comments			
Message flows	Mx INVITE 2	SUT ←	lc ← INVITE 1
		Apply post test r	outine

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 hea	der not supported in 180			
Test Purpose	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-Iden	tity: <[any URI]>			
Comments					
Message flows	Mx INVITE 180 Ringing 1	SUT ← → Apply post test r	Ic ← INVITE → 180 Ringing 2 outine		

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 hea	ader not supported in 200 (OK INVITE			
Test Purpose	P-Preferred-Identity hea	When the IBCF receives a 200 OK INVITE response from the own network containing a P-Preferred-Identity header, ensure that a 200 OK INVITE response is sent to the other network and the P-Preferred-Identity header is not present.				
SIP Parameter values	200 OK INVITE 1: P- 200 OK INVITE 2:	Preferred-Identity: <[any U	RI]>			
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1	SUT ← → Apply post test	lc ← INVITE → 180 Ringing → 200 OK INVITE 2 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	eader not supported in INV	ITE
Test Purpose	P-Preferred-Service h		the other network containing a E request is sent to the own network and
SIP Parameter values	INVITE 1: P-Preferred	d-Service: urn:urn-7:3gpp-se	ervice.exampletelephony.version1
Comments			
Message flows	Mx	SUT	lc
	INVITE 2	←	← INVITE 1
	Apply post test routine		

TP number	IBCF_203_115	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3				
Test Purpose name	P-User-Database header not	supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a P-User-Database header, ensure that an INVITE request is sent to the own network and the P-User-Database header is not present.				
SIP Parameter values	INVITE1: P-User-Database: <[any DiameterURI]>				
Comments					
Message flows	Mx INVITE2	SUT +	Ic INVITE1		
		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	P-User-Database hea		m the other network containing a R request is sent to the own network and d from the other network.	
SIP Parameter values	REGISTER: P-User	r-Database: <[any DiameterUl	RI]>	
Comments				
Message flows	Mx	SUT	lc	
	REGISTER	←	← REGISTER	
	Apply post test routine			

TP number	IBCF_203_117	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/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-Network-ID header s	upported 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-Visited-Network-II	D: "Visited network number 1"		
Comments				
Message flows	Mx	SUT	lc	
	INVITE ←	(INVITE	
	Apply post test routine			

TP number	IBCF_203_118	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PICS 7	7.2.1/1 AND PICS 7.2.2/	15		
Test Purpose name	P-Visited-Network-ID head	der supported in REGIS	TER		
Test Purpose	P-Visited-Network-ID head	When the IBCF receives a REGISTER request from the other network containing a P-Visited-Network-ID header, ensure that a REGISTER 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	REGISTER: P-Visited-N	REGISTER: P-Visited-Network-ID: "Visited network number 1"			
Comments					
Message flows	Mx	SUT	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 NOT PICS	7.2.1/1			
Test Purpose name	P-Visited-Network-ID header r	not supported in INVITE			
Test Purpose	When the IBCF receives an INVITE request from the other network containing a P-Visited-Network-ID header, ensure that an INVITE request is sent to the own network and the P-Visited-Network-ID header is not present.				
SIP Parameter values	INVITE 1: P-Visited-Network-ID: "Visited network number 1" INVITE 2:				
Comments					
Message flows	Mx INVITE 2	SUT ← Apply post test routine	Ic INVITE 1		

TP number	IBCF_203_120	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bca	all	·			
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Proxy-Require hea	der supported in INVITE				
Test Purpose	Proxy-Require hea	When the IBCF receives an INVITE request from the other network containing a Proxy-Require header, ensure that an INVITE request is sent to the own network and the Proxy-Require header is present as received from the other network.				
SIP Parameter values	INVITE: Proxy-R	lequire: etsi-int13				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	←	← INVITE			
	Apply post test routine					

TP number	IBCF_203_121	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Proxy-Require header supporte	ed in ACK	
Test Purpose	When the IBCF receives an AC		
	Proxy-Require header, ensure	that an ACK request is sent to	the own network and the
	Proxy-Require header is presen	nt as received from the other	network.
SIP Parameter values	ACK: Proxy-Require: etsi-int1:	3	
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_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	r supported in BYE		
Test Purpose	header, ensure that a		ther network containing a Proxy-Require vn network and the Proxy-Require rk.	
SIP Parameter values	BYE: Proxy-Require	: etsi-int13		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	←	← BYE	
	Apply post test routine			

TP number	IBCF_203_123	Reference		Annex A [3]
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.1/1		
Test Purpose name	Proxy-Require header	r supported in REGIS	TER	
Test Purpose		r, ensure that a REGI	STER request is s	er network containing a sent to the own network and net network.
SIP Parameter values	REGISTER: Proxy-R	Require: etsi-int13		
Comments				
Message flows	Mx	;	SUT	lc
	REGISTER	←	←	REGISTER
		Apply po	st test routine	

IBCF_203_124	Reference	Annex A [3]			
Entry_Point/scr/bcall	·				
PICS 7.1.1/3 AND P	ICS 7.2.2/18				
Reject-Contact head	er supported in INVITE				
Reject-Contact head Reject-Contact head	When the IBCF receives an INVITE request from the other network containing a Reject-Contact header, ensure that an INVITE request is sent to the own network and the Reject-Contact header is present as received from the other network.				
INVITE: Reject-Co	ntact: *;actor="msg-taker";vide	0			
Mx	SUT	lc			
INVITE	← Annly nost test r	← INVITE			
	Entry_Point/scr/bcall PICS 7.1.1/3 AND P Reject-Contact head When the IBCF rece Reject-Contact head Reject-Contact head INVITE: Reject-Co	Entry_Point/scr/bcall PICS 7.1.1/3 AND PICS 7.2.2/18 Reject-Contact header supported in INVITE When the IBCF receives an INVITE request from the Reject-Contact header, ensure that an INVITE request Reject-Contact header is present as received from INVITE: Reject-Contact: *;actor="msg-taker";vide" Mx SUT			

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 support	ed in ACK	
Test Purpose	When the IBCF receives an AC	CK request from the other netw	ork containing a
	Reject-Contact header, ensure	that an ACK request is sent to	the own network and the
	Reject-Contact header is prese	ent as received from the other r	network.
SIP Parameter values	ACK: Reject-Contact: *;actor=	="msg-taker";video	
Comments			
Message flows	Mx	SUT	Ic
	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 PICS 7.2.2/	18			
Test Purpose name	Reject-Contact header support	ed in BYE			
Test Purpose	When the IBCF receives a BYE				
	Reject-Contact header, ensure				
	Reject-Contact header is prese	nt as received from the other r	network.		
SIP Parameter values	BYE: Reject-Contact: *;actor=	"msg-taker";video			
Comments					
Message flows	Mx	SUT	Ic		
	A session is already established				
	BYE ←	←	BYE		
	Apply post test routine				

TP number	IBCF_203_127	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		·
Selection criteria	PICS 7.1.1/3 AND PI	ICS 7.2.2/18	
Test Purpose name	Request-Disposition	header supported in INVITE	
Test Purpose	Request-Disposition	ives an INVITE request from to header, ensure that an INVITE tion header is present as recei	E request is sent to the own network and
SIP Parameter values	INVITE: Request-D	Disposition: no-fork	
Comments			
Message flows	Mx INVITE	SUT Apply post test	lc ← INVITE routine

TP number	IBCF_203_128	Refe	rence		Annex A [3]
TSS reference	Entry_Point/scr/bcall				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.2/18			
Test Purpose name	Request-Disposition h	eader supporte	ed in ACK		
Test Purpose	When the IBCF receives an ACK request from the other network containing a Request-Disposition header, ensure that an ACK request is sent to the own network and the Request-Disposition header is present as received from the other network.				
SIP Parameter values	ACK: Request-Dispo				
Comments					
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK	← → ←	SUT	+ + +	IC INVITE 180 Ringing 200 OK INVITE ACK
		Apı	ny posi test rout	.iiie	

TP number	IBCF_203_129	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	Request-Disposition he	eader supported in BYE		
Test Purpose	Request-Disposition he	es a BYE request from the o eader, ensure that a BYE re- eader is present as received	quest is sent to the own network and the	
SIP Parameter values	BYE: Request-Dispos	sition: no-fork		
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE	←	← BYE	
		Apply post test	routine	

TP number	IBCF_203_130	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	Require header supported	d in INVITE	
Test Purpose		VITE request is sent to the	he other network containing a Require ne own network and the Require header
SIP Parameter values	INVITE: Require: 100re	I	
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	← 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	orted in 180			
Test Purpose	Require header, ensu		e from the own network containing a onse is sent to the other network and the own network.		
SIP Parameter values	180: Require: 100re				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	←	← 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	orted 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: Red	quire: timer		
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → → Apply post test r	Ic ← INVITE → 180 Ringing → 200 OK INVITE	

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	rted in BYE		
Test Purpose	header, ensure that an		the other network containing a Require the 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 supported in 2	00 OK BYE		
Test Purpose	When the IBCF receives a 200 Require header, ensure that a Require header is present as n	200 OK BYE response is sent	to the other network and the	
SIP Parameter values	200 OK BYE: Require: timer			
Comments				
Message flows	Mx	SUT	lc	
	A session is already established			
	BYE ←	←	BYE	

TP number	IBCF_203_136	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	1		
Test Purpose name	Security-Client header not sup			
Test Purpose	When the IBCF receives a REGISTER request from the other (visited) network containing a Security-Client header, ensure that a REGISTER request is sent to the own (home) network and the Security-Client header is not present.			
SIP Parameter values	REGISTER 1: Security-Client: 1 REGISTER 2:	ls		
Comments				
Message flows	Mx	SUT	lc	
	REGISTER	=	REGISTER	
	Apply post test routine			

TP number	IBCF_203_137	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bcall			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/	′1		
Test Purpose name	Security-Server header not su	oported in 200 OK REGISTER		
Test Purpose	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-Server: tls; 200 OK 2:	q=0.2		
Comments				
Message flows	Mx	SUT	lc	
	REGISTER	· ←	REGISTER	
	200 OK 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 PICS 7.2.1/1				
Test Purpose name	Security-Verify header not supp	ported			
Test Purpose	When the IBCF receives an IN				
	Security-Verify header, ensure	that an INVITE request is sent	to the other (home) network		
	and the Security-Verify header				
SIP Parameter values	INVITE 1: Security-Verify: 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	Refere	nce	Annex A [3]
TSS reference	Entry_Point/scr	/bcall		
Selection criteria		ND PICS 7.2.2/16		
Test Purpose name		s header supported in I		
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: Sess	ion-Expires: [any value		
Comments				
Message flows	Mx		SUT	lc
	INVITE	←	+	INVITE
		Appl	y 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	ler supported in 200 OK INVIT	E			
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 r	Ic ← INVITE → 180 Ringing → 200 OK INVITE outine			

TP number	IBCF_203_141	Refer	ence	Annex A [3]		
TSS reference	Entry_Point/scr/bca	all				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	Supported header					
Test Purpose	header, ensure tha	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: Support	ed: 100rel				
Comments						
Message flows	Mx		SUT	lc		
	INVITE	←	+	INVITE		
		Арр	ly 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	ported in 200 OK INVITE				
Test Purpose	Supported header, en	When the IBCF receives a 200 OK INVITE response from the own network containing a Supported header, ensure that a 200 OK INVITE response is sent to the other network and the Supported header is present as received from 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 support	ed in BYE				
Test Purpose	header, ensure that a BYE	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 routine					

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 supported in	n 200 OK BYE				
Test Purpose	Supported header, ensure that	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: time	r				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	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 su	upported in INVITE				
Test Purpose	Timestamp header, e	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	INVITE: Timestamp	o: [any value]				
Comments						
Message flows	Mx	SUT	Ic			
	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 supported	in 180	
Test Purpose	Timestamp header, ensure that	Ringing response from the ow at a 180 Ringing response is sel ent as received from the own ne	nt to the other network and
SIP Parameter values	180: Timestamp: [any value]		
Comments			
Message flows	Mx	SUT	lc
	INVITE •	·	INVITE
	180 Ringing	→	180 Ringing
		Apply post test routine	

IBCF_203_147	Reference	Annex A [3]
Entry_Point/scr/bcall	·	
PICS 7.1.1/3		
Timestamp header su	pported in 200 OK INVITE	
Timestamp header, er	nsure that a 200 OK INVITE re	esponse is sent to the other network
200 OK INVITE: Time	estamp: [any value]	
Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → Apply post test re	Ic ← INVITE → 180 Ringing → 200 OK INVITE
	Entry_Point/scr/bcall PICS 7.1.1/3 Timestamp header su When the IBCF receiv Timestamp header, et and the Timestamp he 200 OK INVITE: Time Mx INVITE 180 Ringing	Entry_Point/scr/bcall PICS 7.1.1/3 Timestamp header supported in 200 OK INVITE When the IBCF receives a 200 OK INVITE response Timestamp header, ensure that a 200 OK INVITE reand the Timestamp header is present as received fr 200 OK INVITE: Timestamp: [any value] Mx SUT INVITE 180 Ringing 200 OK INVITE Timestamp SUT

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 supported in	n ACK	
Test Purpose	When the IBCF receives an AC header, ensure that an ACK red is present as received from the	quest is sent to the own netwo	
SIP Parameter values	ACK: Timestamp: [any value]		
Comments			
Message flows	Mx	SUT	Ic
	INVITE ←	←	INVITE
	180 Ringing →	→	180 Ringing
	200 OK INVITE →	→	200 OK INVITE
	ACK ←	←	ACK
		Apply post test 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 supported i	n 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: [any 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 supported i	n 200 OK BYE		
Test Purpose	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: 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_203_151	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	To header supported in INVITI	E	
Test Purpose		IVITE request from the other ne request is sent to the own neto ther network.	
SIP Parameter values	INVITE: To: <[any URI]>		
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 in 180		
Test Purpose	When the IBCF receives a 18 header, ensure that a 180 Rir is present as received from the	0 Ringing response from the ounging response is sent to the othe own network.	wn network containing a To ner network and the To header
SIP Parameter values	180: To: <[any URI]>; tag=[any value]	
Comments			
Message flows	Mx	SUT	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	in 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 valu	e]	
Comments				
Message flows	Mx	SUT		lc
	INVITE	←	←	INVITE
	180 Ringing	→	→	180 Ringing
	200 OK INVITE	→	→	200 OK INVITE
		Apply post tes	t 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 in 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	SUT	lc		
	INVITE	← ←	INVITE		
	180 Ringing	→	180 Ringing		
	200 OK INVITE	→	200 OK INVITE		
	ACK	← ←	ACK		
		Apply post test routine			

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		uest is sent to the own netwo	ther network containing a To header, ork and the To header is present as		
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	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: <[any UR	l]>; 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_203_1	157 R	eference	Annex A [3]
TSS reference	Entry_Point			
Selection criteria	PICS 7.1.1/3	3 AND PICS 7.2.2/20		
Test Purpose name	Trigger-Con	sent header supporte	d	
Test Purpose	Trigger-Con	sent header, ensure t	TE request from the other n hat an INVITE request is so It as received from the othe	ent to the own network and the
SIP Parameter values	INVITE: T	rigger-Consent:		
Comments				
Message flows		Mx	SUT	lc
	INVITE	←	←	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	d	
Test Purpose	When the IBCF receives a 420 an Unsupported header, ensure network and the Unsupported	e that a 420 Bad Extension res	sponse is sent to the other
SIP Parameter values	420: Unsupported: etsi-int13	·	
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/bcall	•				
Selection criteria	PICS 7.1.1/3					
Test Purpose name	User-Agent header supported	I in INVITE				
Test Purpose	User-Agent header, ensure th	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	INVITE: User-Agent: ETSI soft client v1				
Comments						
Message flows	Mx	SUT	Ic			
	INVITE	-	← INVITE			
	Apply post test routine					

	180 Ringing	Apply post te	→	180 Ringing
	INVITE	←	←	INVITE
Message flows	Mx	SUT		lc
Comments			•	
SIP Parameter values	180: User-Agent: E	TSI soft client v1	•	
		er is present as received for		
				sent to the other network and
Test Purpose	When the IBCF receiv	ves a 180 Ringing respons	se from the o	wn network containing a
Test Purpose name	User-Agent header su	upported in 180	•	
Selection criteria	PICS 7.1.1/3			
TSS reference	Entry_Point/scr/bcall			
TP number	IBCF_203_160	Reference		Annex A [3]

TP number	IBCF_203_161	Reference	Annex A [3]
TSS reference	Entry_Point/scr/bcall		
Selection criteria	PICS 7.1.1/3		
Test Purpose name	User-Agent header su	upported in 200 OK INVITE	
Test Purpose	User-Agent header, e		e from the own network containing a esponse is sent to the other network rom the own network.
SIP Parameter values	200 OK INVITE: Use	er-Agent: ETSI soft client v1	
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_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 supported i	n ACK	
Test Purpose	When the IBCF receives an AC header, ensure that an ACK re is present as received from the	quest is sent to the own netwo	
SIP Parameter values	ACK: User-Agent: ETSI soft of	lient v1	
Comments			
Message flows	Mx INVITE ← 180 Ringing → 200 OK INVITE → ACK	→	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		ther network containing a User-Agent wn network and the User-Agent header		
SIP Parameter values	BYE: User-Agent: ET	SI 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	User-Agent header, e	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-A	200 OK BYE: User-Agent: ETSI soft client v1				
Comments						
Message flows	Mx	SUT	lc			
		A session is already established				
	BYE					
	200 OK BYE	→	→ 200 OK BYE			

TP number	IBCF_203_165	Reference	Annex A [3]	
TSS reference	Entry_Point/scr/bca	II		
Selection criteria	PICS 7.1.1/3 AND F	PICS 7.2.2/17		
Test Purpose name	User-to-User heade	r supported in INVITE		
Test Purpose	User-to-User heade		the other network containing a est is sent to the own network and the the other network.	
SIP Parameter values	INVITE: User-to-U	Jser: 504554534920494E54;e	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	S 7.2.2/17	
Test Purpose name	User-to-User header su	upported in 180	
Test Purpose	User-to-User header, e		from the own network containing a esponse is sent to the other network and om the own network.
SIP Parameter values	180: User-to-User: 50	04554534920494E54;enco	ding=hex
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	← 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	200 OK INVITE: User-to-User: 504554534920494E54;encoding=hex				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE	SUT ← → →	Ic ← INVITE → 180 Ringing → 200 OK INVITE			
		Apply post test	routine			

TP number	IBCF_203_168	Reference	Annex A [3]		
TSS reference	Entry_Point/scr/bcall	•			
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.2/	17			
Test Purpose name	User-to-User header supported	d 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: 5045545	34920494E54;encoding=hex			
Comments					
Message flows	Mx	SUT	lc		
	A session is already established				
	BYE €	· ←	BYE		
	Apply post test routine				

TP number	IBCF_203_169	Reference	Annex A [3]			
TSS reference	Entry_Point/scr/bcall					
Selection criteria	PICS 7.1.1/3 AND PIC					
Test Purpose name	User-to-User header s	upported 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 Ic					
	A session is already established					
	BYE	BYE ← BYE				
	200 OK BYE	→	→ 200 OK BYE			

6.2.3.2 Simulation services

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]
			5, RFC 3325 [16]
TSS reference	Entry_Point/scr/ss/oip-o	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- requests Privacy is set	,	eld from the request for incoming
Test Purpose	P-Asserted-Identity hea		est from the other network lue 'id' present, it leaves the sts if the other network is trusted.
SIP Parameter values	INVITE 1: P-Asserted-lo Privacy: id INVITE 2: P-Asserted-lo Privacy: id	·	
Comments			
Message flows	Mx	SUT	lc
	INVITE 2	←	← INVITE 1
		Apply post test i	routine

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	T PICS 7.2.1/2 AND PICS 7.:	2.3/1			
Test Purpose name	The IBCF leaves the F	P-Asserted-Identity header fie	ld from the request for incoming			
	requests no Privacy re	equested	-			
Test Purpose		es an initial SIP INVITE reque				
	P-Asserted-Identity he	ader present and no Privacy	header present, it leaves the			
	P-Asserted-Identity he	ader fields in the SIP request	s if the other network is trusted.			
SIP Parameter values	INVITE 1: P-Asserted-	INVITE 1: P-Asserted-Identity <uri></uri>				
	INVITE 2: P-Asserted-	Identity <uri></uri>				
Comments						
Message flows	Mx	SUT	Ic			
	INVITE 2	←	← INVITE 1			
	Apply post test routine					

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 PICS 7	7.2.1/2 AND PICS 7.2.3/1			
Test Purpose name	The IBCF replaces or ren incoming requests	noves the P-Asserted-Iden	tity head	er field from the request for	
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	Reference	4.4.2, 5.10.6 [1], 5, RFC 3325 [16], 7.2.2 [17]	
TSS reference	Entry_Point/scr/ss/tip-ti	ir		
Selection criteria	PICS 7.1.1/3 AND NOT	FPICS 7.2.1/2 AND PICS	7.2.3/2	
Test Purpose name	The IBCF leaves the P 180 response Privacy i		field set to the public user identity from the	
Test Purpose	When an IBCF receives a 180 Ringing provisional response from within its own network P-Asserted-Identity header and Privacy header value 'id' present upon received an initial INVITE request, it leaves the P-Asserted-Identity header fields in the SIP responses if the other network is trusted.			
SIP Parameter values	180 1: P-Asserted-Ider Privacy: id 180 2: P-Asserted-Ider Privacy: id	,		
Comments				
Message flows	Mx INVITE 180 Ringing 1	SUT ← → Apply post tes	Ic ← INVITE → 180 Ringing 2 it routine	

TP number	IBCF_205_002	Refe	rence	4.4.2, 5.10.6 [1], 5, RFC 3325 [16], 7.2.2 [17]		
TSS reference	Entry_Point/scr/ss/tip-t	tir				
Selection criteria	PICS 7.1.1/3 AND NO	T PICS 7.2.1/2	2 AND PICS 7.2.3/2			
Test Purpose name	The IBCF leaves the F 180 response no Priva		ntity header field set to	the public user identity from the		
Test Purpose	P-Asserted-Identity he	When an IBCF receives a 180 Ringing provisional response from within its own network P-Asserted-Identity header present and no Privacy requested upon received an initial INVITE request, it leaves the P-Asserted-Identity header fields in the SIP responses if the other network is trusted.				
SIP Parameter values	180 1: P-Asserted-Ide	,				
Comments		•				
Message flows	Mx		SUT	lc		
	INVITE	←	+	- INVITE		
	180 Ringing 1	→	+	180 Ringing 2		
	Apply post test routine					

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-tir				
Selection criteria	PICS 7.1.1/3 AND NOT PICS	7.2.1/2 AND PICS 7.2.3/2			
Test Purpose name	The IBCF leaves the P-Assert	ed-Identity header field set to the	he public user identity from the		
	200 response Privacy is set to	o id			
Test Purpose	When an IBCF receives a 200	OK INVITE final response fron	n within its own network		
		d Privacy header value 'id' pres			
		P-Asserted-Identity header field	Is in the SIP responses if the		
	other network is trusted.				
SIP Parameter values	200 1: P-Asserted-Identity <u< th=""><th>RI></th><th></th></u<>	RI>			
	Privacy: id				
	200 2: P-Asserted-Identity <uri></uri>				
	Privacy: id				
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_004	Reference	4.4.2, 5.10.6 [1], 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	.3/2
Test Purpose name	The IBCF leaves the P 200 response no Priva		d set to the public user identity from the
Test Purpose	P-Asserted-Identity hea	ader present and no Privacy reset the P-Asserted-Identity hea	onse from within its own network equested upon received an initial ader fields in the SIP responses if the
SIP Parameter values	200 1: P-Asserted-Ider 200 2: P-Asserted-Ider	•	
Comments		-	
Message flows	Mx INVITE 180 Ringing 1 200 OK INVITE 1 ACK	SUT ← → ← Apply post test ro	Ic ← INVITE → 180 Ringing 2 → 200 OK INVITE 2 ← ACK putine

TP number	IBCF_205_005	Reference	4.4.2, 5.10.6 [1],
			5, RFC 3325 [16]
TSS reference	Entry_Point/scr/ss/tip-ti	ir	
Selection criteria	PICS 7.1.1/3 AND PICS	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 180 response Priva		er field set to the public user identity from
Test Purpose	P-Asserted-Identity hea	ader and Privacy header v	al response from within its own network alue 'id' upon received an initial INVITE er fields in the SIP responses if the other
SIP Parameter values	180 1: P-Asserted-Ider Privacy: id	ntity <uri></uri>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	← INVITE
	180 Ringing 1	→	→ 180 Ringing 2
		Apply post tes	t 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-t	ir	
Selection criteria	PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND NOT PIO	CS 7.2.1/3 AND PICS 7.2.3/2
Test Purpose name	The IBCF leaves the F	-Asserted-Identity head	der field set to the public user identity from the
	180 response Privacy	is not present	·
Test Purpose			ional response from within its own network
			er field is not present upon received an initial
			ntity header fields in the SIP responses if the
	other network is untrus	ted.	
SIP Parameter values	180 1: P-Asserted-Ider	ntity <uri></uri>	
	180 2: P-Asserted-Ider	ntity <uri></uri>	
Comments			
Message flows	Mx	SU ⁻	T Ic
	INVITE	←	← INVITE
	180 Ringing 1	→	→ 180 Ringing 2
		Apply post	test routine

	IID 0 = 00 = 00 =	In .	14.40 = 40.0741	
TP number	IBCF_205_007	Reference	4.4.2, 5.10.6 [1],	
			5, RFC 3325 [16]	
TSS reference	Entry_Point/scr/ss/tip-tir	•		
Selection criteria	PICS 7.1.1/3 AND PICS	37.2.1/2 AND NOT PICS 7.2.	1/3 AND PICS 7.2.3/2	
Test Purpose name	The IBCF removes the	P-Asserted-Identity header fie	eld set to the public user identity from	
	the 200 OK response P	rivacy is set to id		
Test Purpose	When an IBCF receives	a 200 OK INVITE final respo	onse from within its own network	
	P-Asserted-Identity hea	der is present and Privacy he	ader value 'id' upon received an initial	
	INVITE request, it remo	ves the P-Asserted-Identity h	eader fields in the SIP responses if	
	the other network is unt	rusted.		
SIP Parameter values	200 1: P-Asserted-Ident	tity <uri></uri>		
	Privacy: id			
	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			
L	I .	7.pp.y poot (cot 10	W.1110	

IBCF_205_008	Reference	4.4.2, 5.10.6 [1], 5, RFC 3325 [16], 7.2.2 [17]
Entry_Point/scr/ss/tip-t	ir	1=.= []
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
P-Asserted-Identity hea initial INVITE request, i	ader is present and Privacy it leaves the P-Asserted-Ide	header is not present upon received an
	,	
Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT ← → → Apply post test	Ic ← INVITE → 180 Ringing → 200 OK INVITE 2 ← ACK t routine
	Entry_Point/scr/ss/tip-t PICS 7.1.1/3 AND PIC The IBCF replaces or r identity from the 200 C When an IBCF receive P-Asserted-Identity her initial INVITE request, ithe other network is un 200 1: P-Asserted-Ider Mx INVITE 180 Ringing 200 OK INVITE 1	Entry_Point/scr/ss/tip-tir PICS 7.1.1/3 AND PICS 7.2.1/2 AND NOT PICS The IBCF replaces or removes the P-Asserted-Ididentity from the 200 OK response Privacy is not when an IBCF receives a 200 OK INVITE final rep-Asserted-Identity header is present and Privacy initial INVITE request, it leaves the P-Asserted-Identity ethe other network is untrusted. 200 1: P-Asserted-Identity <uri> Mx SUT INVITE 180 Ringing 200 OK INVITE 1</uri>

TP number	IBCF_205_009	Reference	7.2.2 [17]		
TSS reference	Entry_Point/scr/ss/tip-tir				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/2	2 AND PICS 7.2.1/3 AND PICS	3 7.2.3/2		
Test Purpose name	The IBCF removes the P-Asse	rted-Identity header field set to	the public user identity from		
	the 180 response Privacy is se				
Test Purpose	When an IBCF receives a 180	Ringing provisional response fi	rom within its own network		
	P-Asserted-Identity header and				
	INVITE request, it removes the	P-Asserted-Identity header fie	lds in the SIP responses if		
	the other external IP network is	untrusted.			
SIP Parameter values	180 1: P-Asserted-Identity <uf< th=""><th>RI></th><th></th></uf<>	RI>			
	Privacy: id				
	-				
	180 2:				
Comments					
Message flows	Mx	SUT	lc		
	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	e P-Asserted-Identity header	field set to the public user identity from			
	the 200 response Priva	acy is set to id				
Test Purpose	When an IBCF receive	es a 200 OK INVITE final res	ponse from within its own network			
	P-Asserted-Identity he	ader and Privacy header va	ue 'id' present upon received an initial			
	INVITE request, it rem	oves the P-Asserted-Identity	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	←	← 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 PICS 7.2.1/2	2 AND PICS 7.2.1/3 AND PICS	S 7.2.3/2	
Test Purpose name	The IBCF removes the P-Asset	rted-Identity header field set to	the public user identity from	
	the 180 response Privacy head	er not present		
Test Purpose	When an IBCF receives a 180	Ringing provisional response	from within its own network	
	P-Asserted-Identity header is p			
	initial INVITE request, it remove	es the P-Asserted-Identity hea	der fields in the SIP	
	responses if the other external	IP network is untrusted.		
SIP Parameter values	180 1: P-Asserted-Identity <uri></uri>			
	180 2:			
Comments				
Message flows	Mx	SUT	lc	
	INVITE	←	INVITE	
	180 Ringing →	→	180 Ringing	
		Apply post test routine		

IBCF_205_012	Referer	nce	7.2.2 [17]	
PICS 7.1.1/3 AND PIC	S 7.2.1/2 AND P	ICS 7.2.1/3 AND PIC	CS 7.2.3/2	
		•	to the public user identity from	
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 removes the P-Asserted-Identity header fields in the SIP responses if the other external IP network is untrusted.				
200 1: P-Asserted-Ider 200 2:	ntity <uri></uri>			
Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	← → → ←	SUT + - - - - - - - - - - - -	IC INVITE 180 Ringing 200 OK INVITE 2 ACK	
	PICS 7.1.1/3 AND PIC The IBCF removes the the 200 OK response of the 200 OK response of the 200 P-Asserted-Identity he initial INVITE request, responses if the other 200 1: P-Asserted-Identity P-Asserted-I	The IBCF removes the P-Asserted-Ider the 200 OK response Privacy header n When an IBCF receives a 200 OK INVI P-Asserted-Identity header is present a initial INVITE request, it removes the P-responses if the other external IP network 200 1: P-Asserted-Identity <uri> Mx INVITE 180 Ringing 200 OK INVITE 1 ACK →</uri>	PICS 7.1.1/3 AND PICS 7.2.1/2 AND PICS 7.2.1/3 AND PICS The IBCF removes the P-Asserted-Identity header field set the 200 OK response Privacy header not present. When an IBCF receives a 200 OK INVITE final response from P-Asserted-Identity header is present and Privacy header is initial INVITE request, it removes the P-Asserted-Identity heresponses if the other external IP network is untrusted. 200 1: P-Asserted-Identity <uri> MX SUT INVITE 180 Ringing 200 OK INVITE 1</uri>	

TP number	IBCF_205_013	Reference	12 [3]			
TSS reference	Entry_Point/scr/ss/tip-tir	Entry Point/scr/ss/tip-tir				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	3/2				
Test Purpose name	INVITE 'from-change' tag in S	Supported header supported				
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: from-change INVITE 2: Supported: from-change					
Comments		-				
Message flows	Mx	SUT	lc			
	INVITE 2	←	INVITE 1			
	Apply post test routine					

TP number	IBCF_205_014	Reference		12 [3]		
TSS reference	Entry_Point/scr/ss/tip-tir					
Selection criteria	PICS 7.1.1/3 AND PICS 7.	.2.3/2				
Test Purpose name	200 OK 'from-change' tag	in Supported header sup	ported			
Test Purpose	'from-change' tag is contain other network and the 'from	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. Ensure that the changed From header value in the UPDATE request is passed unchanged.				
SIP Parameter values	200 OK 1: Supported: from 200 OK 2: Supported: from UPDATE 1: From: <chang< th=""><th colspan="5">200 OK 1: Supported: from-change 200 OK 2: Supported: from-change UPDATE 1: From: <changed from="" header="" value=""> UPDATE 2: From: <changed from="" header="" value=""></changed></changed></th></chang<>	200 OK 1: Supported: from-change 200 OK 2: Supported: from-change UPDATE 1: From: <changed from="" header="" value=""> UPDATE 2: From: <changed from="" header="" value=""></changed></changed>				
Comments						
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK UPDATE1 200 OK UPDATE	SUT	← → ← → ←	IC INVITE 180 Ringing 200 OK INVITE 2 ACK UPDATE 2 200 OK UPDATE		

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	7.2.1/2 AND PICS 7.	2.3/3	
Test Purpose name	History-Info header in 181 is s	supported to trusted n	etwork	
Test Purpose	History-Info header and no Pr initial INVITE request, it leave the other network is trusted.	ivacy header from with	rded provisional response containing a thin its own network upon received an ader fields in the 181 SIP responses if	
SIP Parameter values	181 1: History-Info			
Comments	181 2: History-Info			
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_002	Reference	4.4.2, 5.10.6 [1], 5 [15]	
TSS reference	Entry_Point/scr/ss/cdiv	<u> </u>	1 . 3	
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 18	80 is supported to trusted	network	
Test Purpose	header and no Privacy he request, it leaves the Hisnetwork is trusted.	neader from within its own	response containing a History-Info network upon received an initial INVITE the 180 SIP responses if the other	
SIP Parameter values	180 1: History-Info			
Comments	180 2: History-Info			
Message flows	Mx SUT Ic			
	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	7.2.1/2 AND PICS 7.2.3/3			
Test Purpose name	History-Info header in 200 OK i	s supported to trusted network			
Test Purpose	When an IBCF receives a 200				
	and no Privacy header from wit				
	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				
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 routine	<u>-</u>		

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 PICS	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 ← NVITE			
	181 Call Is Being Forwarded 1 → 181 Call Is Being Forwarded 2				
	Apply post test routine				

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 PICS	3 7.2.1/2 AND PICS 7.2.3/3	
Test Purpose name		cy header in 180 is supported to	
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	Ic
	INVITE	← ←	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 PICS 7.2.1/2 AND PICS 7.2.3/3				
Test Purpose name	History-Info header and Privac	y header in 200 OK is supporte	ed to trusted network		
Test Purpose	When an IBCF receives a 200	OK INVITE final provisional res	sponse containing a		
	History-Info header and a Priva				
	received an initial INVITE requ		eader fields in the 200 OK		
	INVITE final responses if the o	ther 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 ÎNVÎTE 1 → 200 OK ÎNVÎTE 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	7.2.1/2 AND PICS 7.2.3/3			
Test Purpose name	History-Info header and escape	ed Privacy header in 181 is s	upported to trusted network		
Test Purpose	When an IBCF receives a 181				
	History-Info header and a Priva				
	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	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>				
	<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>				
	<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	→ → 18	1 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 NOT PICS	7.2.1/2 AND PICS 7.2.3/3			
Test Purpose name	History-Info header and escap	ed Privacy header in 180 is sup	oported to trusted network		
Test Purpose	When an IBCF receives a 180				
	initial INVITE request, it leaves	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.	the other network is trusted.			
SIP Parameter values	180 1: History-Info: <hi-targeted-to-uri 1?privacy="history">; index=1</hi-targeted-to-uri>				
	<hi>targeted-to-uri 2>; index=1.1</hi>				
Comments	180 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				
	180 Ringing 1 → 180 Ringing 2				
	Apply post test routine				

TP number	IBCF_206_009	Reference	4.4.2, 5.10.6 [1],		
			5 [15]		
TSS reference	Entry_Point/scr/ss/cdiv	Entry_Point/scr/ss/cdiv			
Selection criteria	PICS 7.1.1/3 AND NOT	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	escaped Privacy header in	200 OK is supported to trusted network		
Test Purpose	When an IBCF receives	a 200 OK INVITE final prov	risional response containing a		
			ory from within its own network upon		
			ory-Info header fields in the 200 OK		
	INVITE final responses i	f the other network is truste	ed.		
SIP Parameter values	200 1: History-Info: <hi-< th=""><th colspan="3">200 1: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1</th></hi-<>	200 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	200 2: History-Info: < hi-targeted-to-uri 1?Privacy=history>; index=1				
	<hi-t< th=""><th colspan="3"><hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri></th></hi-t<>	<hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri>			
Message flows	Mx	Mx SUT Ic			
	INVITE ← 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 7.2.1/3	2 AND PICS 7.2.3/3			
Test Purpose name	History-Info header in 181 is su	apported or removed to untrus	ted network		
Test Purpose	When an IBCF receives a 181				
		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 is	s not present			
Message flows	Mx SUT Ic				
	INVITE	← ← INV	'ITE		
	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	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 180 is su				
Test Purpose	When an IBCF receives a 180				
	header and no Privacy header	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 the other i	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 Ic				
	INVITE ←	←	INVITE		
	180 Ringing 1 → 180 Ringing 2				
	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	5 7.2.1/2 AND PICS 7.2.3/3			
Test Purpose name	History-Info header in 2	00 OK is supported or remove	ved to untrusted network		
Test Purpose	History-Info header and	When an IBCF receives a 200 OK INVITE final provisional response containing a History-Info header and no Privacy header from within its own network upon received an			
		t leaves the History-Info head t from the response if the oth	der fields in the 200 OK INVITE final ner network is untrusted.		
SIP Parameter values	200 1: History-Info				
Comments	200 2: History-Info or History-Info h	eader is not present			
Message flows	Mx	SUT	lc		
	INVITE 180 Ringing 200 OK INVITE 1 ACK	← → → ← Annly post test re	 ← INVITE → 180 Ringing → 200 OK INVITE 1 ← ACK 		
		Apply post test re	outine		

TP number	IBCF_206_013	Reference	4.4.2, 5.10.6 [1],	
TSS reference	Entry_Point/scr/ss/cdiv		[5 [15]	
	1 =	0.4/0.AND DIOC 3	7.0.0/0	
Selection criteria	PICS 7.1.1/3 AND PICS 7			
Test Purpose name	History-Info header in 181	is not supported to	o untrusted network	
Test Purpose	History-Info header and a	Privacy header val	Forwarded provisional response containing a lue history from within its own network upon s the History-Info header fields in the 181 SIP	
SIP Parameter values	181 1: History-Info Privacy: history			
Comments	181 2:			
Message flows	Mx	Sl	JT Ic	
_	INVITE	←	← INVITE	
	181 Call Is Being Forward	ed 1 🗪	→ 181 Call Is Being Forwarded 2	
	Apply post test routine			

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	7.2.3/3	
Test Purpose name	History-Info header in 1	80 is not supported t	o untrusted netv	vork
Test Purpose	header and a Privacy h	eader value history for t removes the History	om within its ow	containing a History-Info n network upon received an ds in the 180 SIP responses if
SIP Parameter values	180 1: History-Info Privacy: history			
Comments	180 2:			
Message flows	Mx	S	UT	lc
_	INVITE	←	←	INVITE
	180 Ringing 1	→	→	180 Ringing 2
	- 0	Apply pos	t test routine	

IBCF_206_015	Reference	4.4.2, 5.10.6 [1] 5 [15]	
Entry_Point/scr/ss/cdiv	•		
PICS 7.1.1/3 AND PICS	7.2.1/2 AND PICS 7.2.3/3		
History-Info header in 20	00 OK is not supported to u	Intrusted network	
When an IBCF receives a 200 OK INVITE final 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 the History-Info header fields in the 200 OK INVITE final responses if the other network is untrusted.			
200 1: History-Info Privacy: history			
200 2:			
Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	SUT ← → → Apply post test i	Ic ← INVITE → 180 Ringing → 200 OK INVITE 1 ← ACK routine	
	Entry_Point/scr/ss/cdiv PICS 7.1.1/3 AND PICS History-Info header in 20 When an IBCF receives History-Info header and received an initial INVIT INVITE final responses 200 1: History-Info Privacy: history 200 2: Mx INVITE 180 Ringing 200 OK INVITE 1	Entry_Point/scr/ss/cdiv PICS 7.1.1/3 AND PICS 7.2.1/2 AND PICS 7.2.3/3 History-Info header in 200 OK is not supported to use the support of	

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 PICS 7.2.1	/2 AND PICS 7.2.3/3			
Test Purpose name	History-Info header and escap untrusted network	ed Privacy header in	181 is supported or removed to		
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: <hi-targeted-to-uri 1?privacy="history">; index=1 <hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri></hi-targeted-to-uri>			
Comments	181 2: History-Info: <hi-target< th=""><th>ed-to-uri 2>; index=1.1</th><th></th></hi-target<>	ed-to-uri 2>; index=1.1			
Message flows	Mx	SUT	lc		
	INVITE	←	← INVITE		
	181 Call Is Being Forwarded	→	→ 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		[0[:0]			
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 and euntrusted network	escaped Privacy header in	180 is supported or removed to			
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 removes this specific hi-entry from the History-Info header fields in the 180 SIP response or removes all hi-entries from the SIP response if the other network is untrusted.					
SIP Parameter values		180 1: History-Info: <hi-targeted-to-uri 1?privacy="history">; index=1 <hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri></hi-targeted-to-uri>				
Comments	180 2: History-Info: < <i>hi-targeted-to-uri</i> 2>; index=1.1 or History-Info header is not present					
Message flows	Mx SUT Ic					
_	INVITE	←	← INVITE			
	180 Ringing 1	→	→ 180 Ringing 2			
		Apply post test r	routine			

TP number	IBCF_206_018	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 and escap untrusted network	ed Privacy header in 200 OK is	s supported or removed to	
Test Purpose	When an IBCF receives a 200 OK INVITE final 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 200 OK INVITE final response or removes all hi-entries from the SIP response if the other network is untrusted.			
SIP Parameter values	200 1: History-Info: <hi-targeted-to-uri 1?privacy="history">; index=1 <hi-targeted-to-uri 2="">; index=1.1</hi-targeted-to-uri></hi-targeted-to-uri>			
Comments	200 2: History-Info: <hi-targeted-to-uri 2="">; index=1.1 or History-Info header is not present</hi-targeted-to-uri>			
Message flows	Mx INVITE 180 Ringing 200 OK INVITE 1 ACK	→ → →	Ic INVITE 180 Ringing 200 OK INVITE 1 ACK	

6.2.3.2.4 Other Simulation services

TP number	IBCF_207_001	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/1	17 AND PICS 7.2.3/4			
Test Purpose name	INFO request containing the "a	pplication/vnd.etsi.mcid+xml" r	equest MIME body supported		
Test Purpose	When the IBCF receives an INF	O request from the own netwo	ork the Content-Type is set to		
	'application/vnd.etsi.mcid+xml'				
	is sent to the other network. Th	e Content-type is set to 'applic	ation/vnd.etsi.mcid+xml' and		
	the received MCID XML body is	s present.			
SIP Parameter values	INFO: Content-Type: application/vnd.etsi.mcid+xml				
	xml version="1.0"</th <th></th> <th></th>				
	mcid				
	request				
	McidRequestIndicator>1<				
	HoldingIndicator>1<				
Comments					
Message flows	Mx	SUT	lc		
	INVITE	←	INVITE		
	180 Ringing →	→	180 Ringing		
	INFO →	→	INFO		
	200 OK INFO ←	←	200 OK INFO		
		Apply post test routine			

TP number	IBCF_207_002	Refer	ence	12 [3]		
TSS reference	Entry_Point/scr/ss/oth	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PIC	CS 7.2.3/17 ANI	D PICS 7.2.3/4			
Test Purpose name	INFO request containi	ing the "applicat	ion/vnd.etsi.mcid+xml"	response MIME body		
	supported			·		
Test Purpose				work the Content-Type is set		
	to 'application/vnd.ets	i.mcid+xml' and	a MCID XML response	body is present, an INFO		
			ne Content-type is set to			
	'application/vnd.etsi.m	cid+xml' and th	e received MCID XML b	oody is present.		
SIP Parameter values	INFO 2: Content-Ty	INFO 2: Content-Type: application/vnd.etsi.mcid+xml				
	XML mcid					
	respons					
		dResponseIndic				
		dingProvidedInd				
	Orig	PartyIdentity>[a	any URI]<			
Comments						
Message flows	Mx		SUT	lc		
	INVITE	←	+	INVITE		
	180 Ringing	→	→	180 Ringing		
	INFO	→	→	INFO		
	200 OK INFO 1	←	←	200 OK INFO 1		
	INFO 2	←	←	INFO 2		
	200 OK INFO	→	→	200 OK INFO		
		App	ly post test routine			

TP number	IBCF_207_003	Reference	12 [3]
TSS reference	Entry_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 response s	supported
Test Purpose	When an IBCF receives a P-A other network, an INVITE requestion P-Asserted-Identity header ar Disallowed final response from	uest is sent to the own networ and the Privacy header. The rec	ceived 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_207_004	Reference	12 [3]
TSS reference	Entry_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	/6	
Test Purpose name	Alert-Info header supported		
Test Purpose		D Ringing from the own network e:call-waiting' a 180 Ringing res t-Info header is present.	
SIP Parameter values	180: Alert-Info: <urn:alert:se< th=""><th>rvice:call-waiting></th><th></th></urn:alert:se<>	rvice:call-waiting>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	- ←	INVITE
	180 Ringing	→	180 Ringing
		Apply post test routine	

TP number	IBCF_207_005	Reference	12 [3]			
TSS reference	Entry_Point/scr/ss/other	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 XML	oody supported				
Test Purpose	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	INVITE: Content-Type: application/vnd.3gpp.cw+xml xml version="1.0" ims-cw communication-waiting-indication</th					
Comments						
Message flows	Mx	SUT	lc			
	INVITE ←	←	INVITE			
		Apply post test routine				

TP number	IBCF_207_006	Reference	12/ [2]	
TSS reference	Entry_Point/scr/ss/other			
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 1	19 supported		
Test Purpose	When the IBCF receives a 480 Temporarily Unavailable final response from the own network and a Reason header cause value set to #19 is present, a 480 Temporarily Unavailable is sent to the other network containing the received Reason header.			
SIP Parameter values	480: Reason: Q.850: cause=	19		
Comments				
Message flows	Mx	SUT	Ic	
	INVITE	+	NVITE	
	480 Temporarily Unavailable	→	180 Temporarily Unavailable	
	ACK	+ + ,	ACK	

TP number	IBCF_207_007	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/				
Test Purpose name	INVITE request to suspend and	d retrieve a session is supporte	ed		
Test Purpose	When the IBCF receives an IN is established and the version attribute of the m line is set to	parameter in the o line of the S	SDP is incremented and the a		
	· · · · · · · · · · · · · · · · · ·	of the o line is incremented n line is set to 'sendonly'			
	The 200 OK INVITE received f incremented and the a attribute				
		of the o line is incremented In line is set to 'recvonly'			
	When the IBCF receives an IN session is established and the and the a attribute of the m line network:	version parameter in the o line	e of the SDP is incremented		
		of the o line is incremented in 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:				
	 The version parameter of the o line is incremented The a attribute of the m line is set to 'sendrecv'. 				
SIP Parameter values	INVITE 1: SDP o line: version number incremented a=sendonly				
	INVITE 2: SDP				
	o line: version number incremented a=sendrecv				
Comments	a-contact.				
Message flows	Mx	SUT	Ic		
	An active session is already established				
	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 test routine			

TP number	IBCF_207_008	Reference	12 [3]				
TSS reference	Entry_Point/scr/ss/othe	er					
Selection criteria		PICS 7.1.1/3 AND PICS 7.2.3/7					
Test Purpose name	UPDATE request to su	spend and retrieve a session	n is supported				
Test Purpose	session is established and the a attribute of the network:						
		The 200 OK UPDATE received from the own network the version parameter of the o line incremented and the a attribute of the m line is set to 'recvonly' is sent to the other network					
		arameter of the o line is incre of the m line is set to 'recvo					
	session is established	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 line 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 incre of the m line is set to 'send					
SIP Parameter values	UPDATE 1: SDP o line: vo a=sendo	ersion number incremented only					
	UPDATE 2: SDP	ersion number incremented					
	a=sendr						
Comments							
Message flows	Mx	SUT	Ic				
		An active session is alre	-				
	UPDATE	(← UPDATE				
	200 OK UPDATE	→	→ 200 OK UPDATE				
	UPDATE	←	← UPDATE				
	200 OK UPDATE	→	→ 200 OK UPDATE				
	200 011 01 0/11	-	2 ZOO OIL OI DILIL				

TP number	IBCF_207_009	Reference	12 [3]				
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-su	ımmary' event package suppor	rted				
Test Purpose	When the IBCF receives a SUI	BSCRIBE request from the other	er network the:				
	Expires header set to '	 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 ow	n network containing the MWI	related headers as received				
	from the other network.						
SIP Parameter values	SUBCRIBE:						
	Event: message-summary						
	Expires: 7200						
	Accept: application/simple-message-summary						
Comments							
Message flows	Mx	SUT	lc				
	SUBCRIBE ← SUBCRIBE						
	200 OK SUBCRIBE/ →	→	200 OK SUBCRIBE/				
	202 Accepted		202 Accepted				

TP number	IBCF_207_010	Reference	12 [3]				
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				
Test Purpose name	NOTIFY with message	e summary MIME body sup	ported				
Test Purpose		es a NOTIFY request from	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	NOTIFY:	NOTIFY:					
	Subscriptio Content-Ty	Event: message-summary Subscription-State: active; expires=7200 Content-Type: application/simple-message-summary Messages-Waiting: yes					
Comments							
Message flows	Mx	Mx SUT Ic					
	NOTIFY	←	← NOTIFY				
	200 OK NOTIFY	200 OK NOTIFY → 200 OK NOTIFY					

TP number	IBCF_207_011	Reference		12 [3]
TSS reference	Entry_Point/scr/ss/otl	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 case of	ICB received	
Test Purpose		ves a 603 Decline fina etwork containing the r		the own network, a 603 Decline header.
SIP Parameter values	603: Reason			
Comments				
Message flows	Mx	5	SUT	Ic
	INVITE	←	+	INVITE
	603 Decline	→	→	603 Decline
	ACK	←	←	ACK

TP number	IBCF_207_012	Refe	rence		12 [3]
TSS reference	Entry_Point/scr/ss/oth	her			
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 c	ase of OCB rec	eived	
Test Purpose	When the IBCF receivis sent to the other ne				he own network, a 603 Decline header.
SIP Parameter values	603: Reason				
Comments					
Message flows	Mx		SUT		lc
	INVITE	←		←	INVITE
	603 Decline	→		→	603 Decline
	ACK	←		←	ACK

TP number	IBCF_207_013	Refer	ence		12 [3]			
TSS reference	Entry_Point/scr/ss/oth	ner						
Selection criteria	PICS 7.1.1/3 AND NO	OT PICS 7.2.1/1	AND PICS 7.2.3	/10				
Test Purpose name	486 containing a Call-	Info header is s	upported					
Test Purpose	purpose parameter se network ensure that a	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">Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any></th></sip:<>	Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>						
Comments								
Message flows	Mx SUT Ic							
	INVITE	INVITE ← INVITE						
	486 Busy Here	486 Busy Here → 486 Busy Here						
	ACK	←		←	ACK			

TP number	IBCF_207_014	Reference	12 [3]				
TSS reference	Entry_Point/scr/ss/othe	r					
Selection criteria	PICS 7.1.1/3 AND NOT	PICS 7.2.1/1 AND PICS 7	.2.3/11				
Test Purpose name	180 containing a Call-Ir	nfo header is supported					
Test Purpose	with purpose parameter network ensure that a 1	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:[a< th=""><th colspan="5">180: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any></th></sip:[a<>	180: Call-Info: <sip:[any uri]="">;purpose=call-completion;m=BS</sip:[any>					
Comments			•				
Message flows	Mx	Mx SUT Ic					
	INVITE ← INVITE						
	180 Ringing	180 Ringing → 180 Ringing					
		Apply post test routine					

TP number	IBCF_207_015	Reference	12 [3]		
TSS reference	Entry_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 C	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	Ic		
	INVITE	← ←	NVITE		
	180 Ringing	→ → 1	180 Ringing		
	199 Early Dialog Terminated	→ → 1	199 Early Dialog Terminated		
	Apply post test routine				

TSS reference	TP number	IBCF_207_016	Reference	12 [3]			
Test Purpose name SUBSCRIBE and NOTIFY for Call Completion is supported 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 parameter is set to 'BS' or 'NR' • Event header is set to 'call-completion' ensure that a SUBSCRIBE request is sent to the own network containing the received Call-Info and Event header. When the IBCF receives a NOTIFY request from the own 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 queued • cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion Content-Type: applic</sip:[any>	TSS reference	Entry_Point/scr/ss/other					
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 parameter is set to 'BS' or 'NR' Event header is set to 'call-completion' ensure that a SUBSCRIBE request is sent to the own network containing the received Call-Info and Event header. When the IBCF receives a NOTIFY request from the own 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 queued cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Mx SUT Ic SUBSCRIBE CSUBSCRIBE CSUBSCRIBE CSUBSCRIBE COSUBSCRIBE COSU</sip:[any>	Selection criteria	PICS 7.1.1/3 AND NOT PICS	7.2.1/1 AND (PICS 7.2.3/11 O	R PICS 7.2.3/10)			
Call-Info header purpose parameter is set to 'call-completion' and the m parameter is set to 'BS' or 'NR' Event header is set to 'call-completion' ensure that a SUBSCRIBE request is sent to the own network containing the received Call-Info and Event header. When the IBCF receives a NOTIFY request from the own 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 queued cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Mx SUT Ic SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE CSUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE OCACCEPTED NOTIFY NOTIFY ONOTIFY NOTIFY SUBSCRIBE COOK NOTIFY NOTIFY COOK NOTIFY COOK NOTIFY</sip:[any>	Test Purpose name	SUBSCRIBE and NOTIFY for	Call Completion is supported				
is set to 'BS' or 'NR' Event header is set to 'call-completion' ensure that a SUBSCRIBE request is sent to the own network containing the received Call-Info and Event header. When the IBCF receives a NOTIFY request from the own 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 queued cc-service-retention MIME parameter is set to true 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 SIP SUBSCRIBE: Call-Info: <sip:[any uri]="">:purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY ON OK NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY ON OK NOTIFY</sip:[any>	Test Purpose	When the IBCF receives a SU	BSCRIBE request from the oth	er network and the:			
ensure that a SUBSCRIBE request is sent to the own network containing the received Call-Info and Event header. When the IBCF receives a NOTIFY request from the own 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 queued cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">:purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Mx SUT Ic SUBSCRIBE SUBSCRIBE CSUBSCRIBE 202 Accepted NOTIFY NOTIFY</sip:[any>			se parameter is set to 'call-cor	mpletion' and the m parameter			
Call-Info and Event header. When the IBCF receives a NOTIFY request from the own 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 queued cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">:purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT IC SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY 200 OK NOTIFY</sip:[any>		Event header is set to	'call-completion'				
Event header is set to call-completion Content-Type header is set to application/call-completion cc-state MIME parameter is set to queued cc-service-retention MIME parameter is set to true 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. SUBSCRIBE: Call-Info: <sip:[any uri]="">:purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE SUBSCRIBE SUBSCRIBE COUNTIFY SUBSCRIBE ACC SUBSCRIBE COUNTIFY COUNTI</sip:[any>			quest is sent to the own networ	k containing the received			
Content-Type header is set to application/call-completion cc-state MIME parameter is set to queued cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion Content: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT IC SUBSCRIBE C02 Accepted NOTIFY Accepted NOTIFY ACCEPTATE AND PARAMETER OF A SUBSCRIBE ACCEPTATE O</sip:[any>		When the IBCF receives a NO	TIFY request from the own ne	twork and the:			
cc-state MIME parameter is set to queued cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY NOTIFY NOTIFY NOTIFY 200 OK NOTIFY Comments NOTIFY NOTIFY Comments Comm</sip:[any>		Event header is set to	call-completion				
cc-service-retention MIME parameter is set to true 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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY NOTIFY NOTIFY NOTIFY NOTIFY 200 OK NOTIFY Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion Completion SUBSCRIBE SUBSCRIBE Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Notify Notify Notify Notify OK Notify</sip:[any></sip:[any></sip:[any>		Content-Type header	is set to application/call-comple	etion			
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 SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE 4 SUBSCRIBE 202 Accepted NOTIFY NOTIFY 200 OK NOTIFY **NOTIFY **NOTIFY **NOTIFY **ONOTIFY **ONOTIFY **ONOTIFY</sip:[any>							
and the 'cc-' MIME body as received from the own network. SIP Parameter values SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE 202 Accepted NOTIFY NOTIFY NOTIFY 200 OK NOTIFY *</sip:[any>		cc-service-retention M	IME parameter is set to true				
SIP Parameter values SUBSCRIBE: Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Max SUT Ic SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY NOTIFY 200 OK NOTIFY **NOTIFY 200 OK NOTIFY **ONTIFY 200 OK NOTIFY</sip:[any>		ensure that a NOTIFY request	is sent to the other network co	ontaining the Event header			
Call-Info: <sip:[any uri]="">;purpose=call-completion; m=BS or m=NR Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Max SUT Ic SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY NOTIFY 200 OK NOTIFY **NOTIFY* **NOTIFY* **200 OK NOTIFY*</sip:[any>			ceived from the own network.				
Event: call-completion NOTIFY: Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY 200 OK NOTIFY	SIP Parameter values						
Event: call-completion Content-Type: application/call-completion cc-state: queued cc-service-retention: true Comments Message flows Mx SUT Ic SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY 200 OK NOTIFY Content-Type: application/call-completion cc-service-retention: true SUT SUBSCRIBE SUBSCRIBE 202 Accepted NOTIFY 200 OK NOTIFY Content-Type: application/call-completion cc-service-retention: true Comments NOTIFY SUBSCRIBE CONTENT CO							
Content-Type: application/call-completion cc-state: queued cc-service-retention: true		NOTIFY:					
cc-state: queued cc-service-retention: true Comments Mx SUT Ic SUBSCRIBE ← SUBSCRIBE 202 Accepted ← SUBSCRIBE → 202 Accepted NOTIFY → NOTIFY ← 200 OK NOTIFY		Event: call-completion					
cc-service-retention: true Comments Mx SUT Ic SUBSCRIBE ← SUBSCRIBE 202 Accepted → 202 Accepted NOTIFY → → NOTIFY 200 OK NOTIFY ← 200 OK NOTIFY		Content-Type: application/call-completion					
Message flows Mx SUT Ic SUBSCRIBE ← ← SUBSCRIBE 202 Accepted → → 202 Accepted NOTIFY → → NOTIFY 200 OK NOTIFY ← 200 OK NOTIFY		•					
Message flows Mx SUT Ic SUBSCRIBE ← ← SUBSCRIBE 202 Accepted → 202 Accepted NOTIFY → → NOTIFY 200 OK NOTIFY ← 200 OK NOTIFY		cc-service-retention: true					
SUBSCRIBE ← SUBSCRIBE 202 Accepted → 202 Accepted NOTIFY → NOTIFY 200 OK NOTIFY ← 200 OK NOTIFY		My CIIT In					
202 Accepted → 202 Accepted NOTIFY → NOTIFY 200 OK NOTIFY ← 200 OK NOTIFY	Message flows		_				
NOTIFY → NOTIFY 200 OK NOTIFY ← 200 OK NOTIFY			=				
200 OK NOTIFY ← 200 OK NOTIFY		202 Accepted → 202 Accepted					
200 OK NOTIFY ← 200 OK NOTIFY		NOTIEV	حـ ـ	NOTIEY			
				_			
Apply post test routine		200 OK NOTH 1	Apply post test routine	200 OK NOTH 1			

TD mumb or	IDOE 007 017	Deference	40 [2]			
TP number	IBCF_207_017	Reference	12 [3]			
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 O	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 other no	etwork 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: application/call-completion					
	cc-state: ready					
	or					
	Subscription-State: terminated; reason=noresource					
Comments	A subscription from the other network is active.					
Message flows	Mx	SUT	lc			
	NOTIFY	· ←	NOTIFY			
	200 OK NOTIFY → 200 OK NOTIFY					
	Apply post test routine					

TP number	IBCF_207_018	Reference	12 [3]		
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 C	OR PICS 7.2.3/10)		
Test Purpose name	PUBLISH for Call Completion	is supported			
Test Purpose	When the IBCF receives a PU	JBLISH request from the other	network and the:		
	is set to 'BS' or 'NR'	ose parameter is set to 'call-co	ompletion' and the m parameter		
	XML MIME body with or 'open'	is set to application/pidf+xml element 'presence' and status			
		est is sent to the own network of as received from the other ne	containing the Call-Info header twork.		
SIP Parameter values	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"?> <pre> <pre> <pre></pre></pre></pre></sip:[any>				
Comments					
Message flows		SUT ← ←	Ic PUBLISH 200 OK PUBLISH		
		Apply post test routine			

TP number	IBCF_207_019	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/otl	her			
Selection criteria	PICS 7.1.1/3 AND NO	OT PICS 7.2.1/1 AND (PICS 7	7.2.3/11 OR PICS 7.2.3/10)		
Test Purpose name	INVITE with Call Con	npletion information is support	ed		
Test Purpose SIP Parameter values	to 'BS' or 'NR' is pres parameter set to 'call INVITE request is ser	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:[any uri]="">;purpose=call-</sip:[any>	completion; m=BS or m=NR		
Comments					
Message flows	Mx INVITE	SUT ← Apply post test i	Ic ← INVITE routine		

TP number	IBCF_207_020	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/oth	ner			
Selection criteria	PICS 7.1.1/3 AND (PI	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 Repl	aces 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 [3]	
TSS reference	Entry_Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND (PICS 7.2.3/	/12 OR PICS 7.2.3/13) AND N	OT PICS 7.2.3/20	
Test Purpose name	No support of REFER method			
Test Purpose	When the IBCF receives a REF IBCF sends a 403 Forbidden 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 already es	tablished.		
Message flows	Mx	SUT	Ic	
	A :	session is already establishe	ed	
		←	REFER	
	CASE A	→	405 Method not allowed	
	CASE B	→	500 Server Internal Error	
	CASE C	→	501 Not implemented	
	CASE D	→	403 Forbidden	
		Apply post test routine		

TP number	IBCF_207_022	Reference	12 [3]			
TSS reference	Entry_Point/scr/ss/other		1 [0]			
Selection criteria	PICS 7.1.1/3 AND (PICS 7.2.)	3/12 OR PICS 7.2.3/13) AND F	PICS 7.2.3/20			
Test Purpose name	Support of NOTIFY with 'appli	cation/sipfrag' MIME body				
Test Purpose	body is present a NOTIFY is s	When the IBCF receives a NOTIFY request from the other network and a sipfrag MIME body is present a NOTIFY is sent to the own network and the sipfrag MIME body is present as received from the other network.				
SIP Parameter values	NOTIFY: Content-Type: mes SIP/2.0 100 Trying or SIP/2.0 200 OK	sage/sipfrag				
Comments	A active session is already es network	tablished and a REFER reques	st was received from the own			
Message flows	Mx	SUT	lc			
	A session is already established and REFER was sent					
	NOTIFY	NOTIFY ← NOTIFY				
	200 OK NOTIFY	→	200 OK NOTIFY			
		Apply post test routine				

TP number	IBCF_207_023	Reference	12 [3]	
TSS reference	Entry_Point/scr/ss/otl	her		
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.1/1 AND PICS 7.2.3/1	3	
Test Purpose name	INVITE containing a	recipient-list supported		
Test Purpose		that an INVITE request is sen	he other network containing a X to the own network and the re	
SIP Parameter values	xml vers<br <resource- <list> <er< th=""><th>-lists ntry uri=[any URI and session ntry uri=[any URI and session</th><th>identifier]</th><th></th></er<></list></resource- 	-lists ntry uri=[any URI and session ntry uri=[any URI and session	identifier]	
Comments				
Message flows	Mx	SUT	lc	
	INVITE	←	← INVITE	
		Apply post test	routine	

TP number	IBCF_207_024	Reference		12 [3]		
TSS reference	Entry_Point/scr/ss/othe	r				
Selection criteria	PICS 7.1.1/3 AND PICS	S 7.2.3/13				
Test Purpose name	200 OK INVITE contain	ning a 'isfocus' parameter				
Test Purpose	Contact header contain	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: <sig< th=""><th>o:[any URI]>;isfocus</th><th></th><th></th></sig<>	o:[any URI]>;isfocus				
Comments						
Message flows	MX INVITE 200 OK INVITE ACK	SUT ← → ← Apply post test	← → ←	IC INVITE 200 OK INVITE ACK		

TP number	IBCF_207_025	Reference	12 [3]
TSS reference	Entry_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	13	
Test Purpose name	INVITE containing a 'isfocus' pa	arameter	
Test Purpose	When the IBCF receives an IN contains the 'isfocus' URI parar network and the 'isfocus' param	neter, ensure that an INVITE r	equest is sent to the own
SIP Parameter values	INVITE:		
	Contact: <sip:[any th="" u<=""><th>RI]>;isfocus</th><th></th></sip:[any>	RI]>;isfocus	
Comments			
Message flows	Mx	SUT	Ic
	INVITE ←	←	INVITE
		Apply post test routine	

TP number	IBCF_207_026	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/	13			
Test Purpose name	SUBCRIBE for conference eve	nt package is supported			
Test Purpose	When the IBCF receives a SUE header is present set to 'confernetwork containing the Event h	ence', ensure that a SUBSCR	IBE request is sent to the own		
SIP Parameter values	SUBSCRIBE:				
	Event: conference	ce			
Comments					
Message flows	Mx	SUT	lc		
	A :	session is already establish	ed		
	SUBSCRIBE ←	←	SUBSCRIBE		
	202 Accepted →	→	202 Accepted		
	NOTIFY → NOTIFY				
	200 OK NOTIFY ←	(200 OK NOTIFY		
		Apply post test routine			

TP number	IBCF_207_027	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.3/13 AND PICS 7.2.3/	18		
Test Purpose name	NOTIFY for conference e	event package is supported	d		
Test Purpose	When the IBCF receives	a NOTIFY request from the	ne own network after th	ne conference	
	package was subscribed	containing a conference i	nfo XML MIME body, e	ensure that a	
	NOTIFY is sent to the oth	her network and the confe	rence info XML MIME I	body is present as	
	received from the own ne	etwork.			
SIP Parameter values	NOTIFY:				
	Event: confere				
	Subscription-S				
		n/conference-info+xml:			
		rence-info>			
		ity=[any URI]			
		onference-state>	- 4		
		<user-count>2<th>11></th><th></th></user-count>	11>		
		<active>true</active>			
		<user entity="[any" th="" uri]<=""><th></th><th></th></user>			
	<pre><pre></pre><pre></pre><pre><endpoint entity="=[any" pre="" uri]<=""></endpoint></pre></pre>				
	<pre><status>connected</status></pre>				
			ialed-in joining-meth</th <th>od></th>	od>	
		<media <="" id="1" th=""><th>laioa iii 4 joiliilig iiioai</th><th>our</th></media>	laioa iii 4 joiliilig iiioai	our	
		<status>sendre</status>	ecv		
Comments					
Message flows	Mx	SUT		lc	
		A session is already	established		
		Conference notification			
	NOTIFY	→	→ NOTIFY		
	200 OK NOTIFY	←	← 200 OK NO	OTIFY	
		Apply post test i	outine		

TP number	IBCF_207_028	Reference	12 [3]		
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 INVITE containing a	CUG request			
Test Purpose	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-Disposition: xml version="1.0" cug networkIndicator</th <th>>[any value]< ryCode>[any value]<</th> <th></th>	>[any value]< ryCode>[any value]<			
Comments					
Message flows	Mx	SUT	lc		
	INVITE ←	←	INVITE		
		Apply post test routine			

TP number	IBCF_207_029	Reference	12 [3]
TSS reference	Entry_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.1/1	AND PICS 7.2.3/14	
Test Purpose name	Support of INVITE containing a	CUG request	
Test Purpose	When the IBCF receives an IN\	/ITE request from the other ne	twork containing a CUG XML
	outgoingAccessRequest, cugIn	dex body, an INVITE is sent to	the own network containing
	the CUG XML body received from	om the other network.	
SIP Parameter values	INVITE:		
	Content-Type: applic	ation/vnd.etsi.cug+xml	
	Content-Disposition:	handling= required	
	xml version="1.0"</th <th></th> <th></th>		
	cug		
	cugCallOperation	1	
	outgoingAcce	ssRequest>true<	
	cuglndex>[an	y value]<	
Comments			
Message flows	Mx	SUT	lc
	INVITE ←	←	INVITE
		Apply post test routine	

TP number	IBCF_207_030	Reference	12 [3]	
TSS reference	Entry Point/scr/ss/other			
Selection criteria	PICS 7.1.1/3 AND ((PICS 7.2.3	/14 AND PICS 7.2.3/21)	OR NOT PICS 7.2.3/14)	
Test Purpose name	No support of INVITE containing	g a CUG request		
Test Purpose	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	Content-Disposition: xml version="1.0" cug networkIndicator</th <th>>[any value]< ryCode>[any value]<</th> <th></th>	>[any value]< ryCode>[any value]<		
Comments				
Message flows	Mx	SUT ↔ →	lc - INVITE - 415 Unsupported Media Type - ACK	

TP number	IBCF_207_031	Reference	12 [3]
TSS reference	Entry_Point/scr/ss/other		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/1	4	
Test Purpose name	Support of 403 final response		
Test Purpose	When the IBCF receives a 403 Forbidden final response from the own network upon an INVITE request was sent to the own network containing a CUG request, ensure that the 403 final response I sent to the other network.		
SIP Parameter values	INVITE: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0" cug networkIndicator [any value]< cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<		
Comments	_		
Message flows	Mx INVITE ← 403 Forbidden → ACK	SUT ← →	Ic INVITE 403 Forbidden ACK

TP number	IBCF_207_032	Reference	12 [3]			
TSS reference	Entry_Point/scr/ss/other	Entry Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	/14				
Test Purpose name	Support of 603 final response					
Test Purpose	When the IBCF receives a 60					
			CUG request, ensure that the			
	603 final response I sent to th	e other network.				
SIP Parameter values	INVITE:					
		lication/vnd.etsi.cug+xml				
	Content-Disposition	n: handling= required				
	xml version="1.0</th <th colspan="4"><?xml version="1.0"</th></th>	xml version="1.0"</th				
	cug					
	networkIndicate	networkIndicator>[any value]<				
	cugInterlockBinaryCode>[any value]<					
	cugCommunicationIndicator>11<					
Comments						
Message flows	Mx SUT Ic					
	INVITE	(- INVITE			
	603 Decline	-	➤ 603 Decline			
	ACK	(E ACK			

TP number	IBCF_207_033	Reference	12 [3]	
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 500 final response			
Test Purpose	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	INVITE: Content-Type: application/vnd.etsi.cug+xml Content-Disposition: handling= required xml version="1.0" cug networkIndicator [any value]< cugInterlockBinaryCode>[any value]< cugCommunicationIndicator>11<			
Comments				
Message flows	Mx INVITE ← 500 Server Internal Error → ACK	→	Ic INVITE 500 Server Internal Error ACK	

TP number	IBCF_207_034	Reference	12 [3]
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	INVITE containing AOC-S info	supported	
Test Purpose	When the IBCF receives an IN	VITE request from the other (h	ome) network and a AOC-S
	XML MIME body is present, er	nsure that an INVITE request is	sent to the own (visited)
	network and the AOC-S XML I	oody is contained as received for	rom the other network.
SIP Parameter values	INVITE:		
	Content-Type: appli	cation/vnd.etsi.aoc+xml	
	xml version="1.0"</th <th>1</th> <th></th>	1	
	aoc		
	aoc-s		
	charged-item	าร	
	communi	cation-setup	
	basic		
	pr	ice-time	
		currency-id	
		currency-amount	
		length-time-unit	
		charging-type	
Comments			
Message flows	Mx	SUT	Ic
	INVITE ←	=	INVITE
		Apply post test routine	

TP number	IBCF_207_035	Reference	12 [3]	
TSS reference	Entry_Point/scr/ss/other	•		
Selection criteria		2.2.1/1 AND PICS 7.2.3/15		
Test Purpose name	183 containing AOC-S info			
Test Purpose	When the IBCF receives a 183 Session Progress provisional response from the own (home) network and a AOC-S XML MIME body is present, ensure that a 183 Session Progress provisional response is sent to the other (visited) network and the AOC-S XML			
SIP Parameter values	body is contained as received from the own network. 183: Content-Type: application/vnd.etsi.aoc+xml xml version="1.0" aoc aoc-s charged-items communication-setup basic price-time currency-id currency-amount length-time-unit charging-type</td			
Comments				
Message flows	Mx	SUT	lc	
	INVITE	-	← INVITE	
	183 Session Progress	→	→ 183 Session Progress	
		Apply post test ro	utine	

TP number	IBCF_207_036	Reference	12 [3]	
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	180 containing AOC-S info	supported		
Test Purpose		80 Ringing provisional response		
		ody is present, ensure that a 180		
		network and the AOC-S XML bo	dy is contained as received	
	from the own network.			
SIP Parameter values	180:			
		plication/vnd.etsi.aoc+xml		
	xml version="1</th <th>.0"</th> <th></th>	.0"		
	aoc			
	aoc-s			
	charged-it			
		unication-setup		
	basic			
	price-time			
		currency-id		
		currency-amount		
		length-time-unit		
		charging-type		
Comments				
Message flows	Mx	SUT	Ic	
	INVITE	← ←	INVITE	
	180 Ringing	→ →	180 Ringing	
		Apply post test routine		

TP number	IBCF_207_037	Reference	12 [3]	
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	200 OK INVITE containing AO	C-S info supported		
Test Purpose	When the IBCF receives a 200	OK INVITE final response fro	m the own (home) network	
	and a AOC-S XML MIME body			
	sent to the other (visited) netw	ork and the AOC-S XML body	is contained as received from	
	the own network.			
SIP Parameter values	200 OK:			
		cation/vnd.etsi.aoc+xml		
	xml version="1.0"</th <th></th> <th></th>			
	aoc			
	aoc-s			
	charged-item			
	communication-setup			
	basic			
	price-time			
	currency-id			
	currency-amount			
		length-time-unit		
		charging-type		
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_207_038	Reference	12 [3]	
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 su	upported		
Test Purpose	When the IBCF receives a INF			
	MIME body is present, ensure	that a INFO request is sent to t	the other (visited) network and	
	the AOC-D XML body is contain	ned as received from the own	network.	
SIP Parameter values	INFO:			
	Content-Type: applic	cation/vnd.etsi.aoc+xml		
	xml version="1.0"</th <th></th> <th></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	IBCF_207_039	Reference	12 [3]	
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	BYE containing AOC-E info su	pported		
Test Purpose	When the IBCF receives a BYE request from the own (home) network containing a AOC-E XML MIME body is 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	contains the AOC-D XML MIME body as received from the own network. BYE: Content-Type: application/vnd.etsi.aoc+xml xml version="1.0" aoc aoc-e recorded-charges recorded-currency-units currency-id currency-amount</th			
Comments				
Message flows	Mx SUT Ic			
	Α	session is already establish	ed	
	BYE →	→	BYE	
	200 OK BYE	+	200 OK BYE	

TP number	IBCF 207 040	Reference	12 [3]		
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	200 OK BYE containing AOC-E	info supported			
Test Purpose	When the IBCF receives a 200				
	a AOC-E XML MIME body is p				
	other (visited) contains the AO	C-D XML MIME body as received.	red from the own network.		
SIP Parameter values	200 OK BYE:				
	Content-Type: applic	cation/vnd.etsi.aoc+xml			
	xml version="1.0"</th <th></th> <th></th>				
	aoc				
	aoc-e				
	recorded-charges				
	recorded-currency-units				
	currency-id				
	currency-amount				
Comments					
Message flows	Mx	SUT	lc		
	A :	A session is already established			
	BYE ←	←	BYE		
	200 OK BYE →	→	200 OK BYE		

TP number	IBCF_207_041	Reference	12 [3]
TSS reference	Entry_Point/scr/ss/otl	her	
Selection criteria	PICS 7.1.1/3 AND PI	CS 7.2.3/16	
Test Purpose name	INVITE containing the	e capability for network chargir	ig is supported
Test Purpose	header is set to 'appli		e other (visited) network and the Accept that an INVITE is sent to the own ceived from the other network.
SIP Parameter values	INVITE:		
	Accept: ap	plication/vnd.etsi.sci+xml	
Comments			
Message flows	Mx	SUT	Ic
	INVITE ← ← INVITE Apply post test routine		

TP number	IBCF_207_042	Refer	ence		12 [3]	
TSS reference	Entry_Point/scr/ss/other					
Selection criteria	PICS 7.1.1/3 AND PICS	7.2.3/16				
Test Purpose name	The response code 504 i	is supported				
Test Purpose		When the IBCF receives a 504 Server Time-out final response from the own network, ensure that the 504 Server Time-out is sent to the other network.				
SIP Parameter values						
Comments						
Message flows	Mx	Mx SUT Ic				
	INVITE	←		←	INVITE	
	504 Server Time-out	→		→	504 Server Time-out	
	ACK	←		←	ACK	

TP number	IBCF_207_043			
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:			
SIP Parameter values	Content-Type: application/vnd.etsi.sci+xml Content-Disposition: render; handling=optional xml version="1.0" messageType crgt chargingControllndicators immediateChangeOfActuallyAppliedTariff delayUntilStart tariffCurrency currentTariffCurrency communicationChargeSequenceCurrency currencyFactorScale currencyFactor currencyScale tariffDuration subTariffControl tariffControlIndicators callAttemptChargeCurrency currencyScale callSetupChargeCurrency currencyScale tariffSwitchCurrency nextTariffCurrency nextTariffCurrency currencyFactor currencyFactorScale currencyFactorScale currencyFactorScale currencyFactorScale currencyFactorScale currencyFactor currencyFactor currencyFactor currencyFactor currencyFactor currencyFactor currencyFactor currencyFactor currencyCale tariffControlIndicators callAttemptChargeCurrency currencyFactor currencyFactor</th			
	originationIdentification			
Comments	currency			
Message flows	Mx SUT Ic			
message nows	INVITE			

TP number	IBCF_207_044			
TSS reference	Entry_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 receives a 180 Ringing 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 180 Ringing to the other network.			
SIP Parameter values	Content-Type: application/vnd.etsi.sci+xml Content-Disposition: render; handling=optional xml version="1.0" messageType crgt chargingControlIndicators immediateChangeOfActuallyAppliedTariff delayUntilStart tariffCurrency currentTariffCurrency communicationChargeSequenceCurrency currencyFactor currencyFactor currencyFactor currencyScale tariffDuration subTariffControl tariffControlIndicators callAttemptChargeCurrency currencyFactor currencyScale tariffDurator tariffControlIndicators callAttemptChargeCurrency currencyFactor currencyFactor</th			
Comments	currency			
Message flows	Mx SUT Ic			
message nows	INVITE 180 Ringing PRACK 200 OK PRACK Apply post test routine			
	Apply post test routine			

TP number	IBCF_207_045 Reference 12 [3]				
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				
Comments	currency				
Comments Message flows	Mx SUT Ic				
INCOSAYE HOWS	INVITE				
	180 Ringing → 180 Ringing				
	200 OK INVITE → 200 OK INVITE				
	Apply post test routine				
	Apply post test routine				

TP number	IBCF_207_046 Reference 12 [3]				
TSS reference	Entry_Point/scr/ss/other				
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3/16				
Test Purpose name	BYE containing a 'crgt' XML element is supported				
Test Purpose	When the IBCF receives a BYE request 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 BYE request to the other network.				
SIP Parameter values	BYE:				
	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	Mx SUT Ic				
	A session is already established				
	BYE → BYE				
	200 OK BYE ← 200 OK BYE				

TP number	IBCF_207_047 Reference 12 [3]				
TSS reference	Entry_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 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 INFO request to the other network.				
SIP Parameter values	INFO:				
	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	Mx SUT Ic				
	A session is already established				
	INFO → INFO				
	200 OK INFO ← 200 OK INFO				
	Apply post test routine				

TP number	IBCF_207_048	Reference	12 [3]		
TSS reference	Entry_Point/scr/ss/other		·		
Selection criteria	PICS 7.1.1/3 AND PICS 7.2.3	/16			
Test Purpose name	INFO containing a 'aocrg' XMI	element is supported			
Test Purpose	When the IBCF receives an IN	When the IBCF receives an INFO request from the own 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 I	NFO request to the other netw	ork.		
SIP Parameter values	INFO:				
	Content-Type: appl	ication/vnd.etsi.sci+xml			
	Content-Disposition	: render; handling=optional			
	xml version="1.0</th <th>II .</th> <th></th>	II .			
	messageType				
	aocrg	7			
	chargingControlIndicators				
	immediateChangeOfActuallyAppliedTariff				
	delayUntilStart				
	addOnChar				
		nargeCurrency			
	currencyFactorScale				
	currencyFactor				
		urrencyScale			
	originationId	entification			
	currency				
Comments					
Message flows	Mx	SUT	. Ic		
		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	e header field		
Test Purpose	previously received REGIS	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 values are contained in one Service-Route header or for each value a header field exists			
Message flows	Mx REGISTER 200 OK REGISTER 1	SUT ← Apply post test r	Ic ← REGISTER → 200 OK REGISTER 2 outine	

6.2.4.2 Basic call requirements

TP number	IBCF_209_001	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 head	ders in the 180 Ringing		
Test Purpose	upon a SIP INVITE request fro	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	180 1: Record-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr 180 2: Record-Route: sip:Token(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any></sip:[any></sip:[any>			
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 SUT Ic			
	INVITE €	· ←	INVITE	
	180 Ringing 1	→	180 Ringing 2	
	Apply post test routine			

TP number	IDCE 200 002	Reference	5.10.3.2 3), 5.10.4 [1]		
	IBCF_209_002	Reference	5.10.5.2 5), 5.10.4 [1]		
TSS reference	Entry_Point/nch/bcall				
Selection criteria	PICS 7.1.1/1				
Test Purpose name	Encrypt all Record-Route head	ders in the 200 OK			
Test Purpose	When an IBCF receives a SIP	receives a SIP 200 OK respon	nse from the own network		
	upon a SIP INVITE request fro	m a trusted domain outside its	own network it shall		
	encrypted all Record-Route	neaders prior to forwarding the	response.		
SIP Parameter values	200 OK 1: Record-Route: <sip< th=""><th colspan="3">200 OK 1: Record-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr</sip:[any></sip:[any></th></sip<>	200 OK 1: Record-Route: <sip:[any 1]="" uri="">;lr, <sip:[any 2]="" uri="">;lr</sip:[any></sip:[any>			
	200 OK 2: Record-Route: sip:Token(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any>				
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	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_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 head	lers 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 forwarding the response.			
SIP Parameter values		ACK 1: Route: <sip:[uri ibcf]="" of="">;Ir, sip:Token(<sip:[any 1]="" uri="">;Ir), tokenized-by=[any host], ACK 2: Route: <sip:[any 1]="" uri="">;Ir</sip:[any></sip:[any></sip:[uri>			
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	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1 routine		

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 he	ader in the BYE		
Test Purpose	When an IBCF receives a SIP BYE request from outside its own network subsequent to an initial request, then it shall decrypt any headers prior to forwarding the request to the UE.			
SIP Parameter values	BYE 1: Route: <sip:[uri ibcf]="" of="">;lr, sip:Token(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any></sip:[uri>			
	BYE 2: Route: <sip:[any th="" ur<=""><th>ll 1]>;lr</th><th></th></sip:[any>	ll 1]>;lr		
Comments	TP_IMST2_IC_SUB_04			
Message flows	Mx	SUT	Ic	
	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	<u>.</u>	
Selection criteria	PICS 7.1.1/1		
Test Purpose name	Decrypt the received F	Route header in the CANCEL	
Test Purpose	When an IBCF receives a SIP CANCEL request from outside its own network subsequent to an initial request, then it shall decrypt any headers prior to forwarding the request to the UE.		
SIP Parameter values	CANCEL 1: Route: <sip:[uri ibcf]="" of="">;lr, sip:Token(<sip:[any 1]="" uri="">;lr), tokenized-by=[any host], CANCEL 2: Route: <sip:[any 1]="" uri="">;lr</sip:[any></sip:[any></sip:[uri>		
Comments		-1 [] - 1 ,	
Message flows	Mx	SUT	lc
_	An early dialogue is already 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			
Selection criteria	PICS 7.1.1/1			
Test Purpose name	Decrypt the received	Route header in a subsequent	INVITE request	
Test Purpose		When an IBCF receives a target refresh request from outside its own network subsequent to an initial request it shall decrypt all headers before forwarding it to the UE.		
SIP Parameter values	INVITE 1: Route: <sir< th=""><th></th><th><sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any></th></sir<>		<sip:[any 1]="" uri="">;lr), tokenized-by=[any host],</sip:[any>	
Comments	TP IMST2 IC TAR	. ,		
Message flows	Mx	SUT	Ic	
	A confirmed dialogue is already established			
	INVITE 2	←	← INVITE 1	
		Apply post test routine		

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	unknown		
Test Purpose		Ensure that the IUT on receipt of an INVITE request from the other network with a		
			erstand, sends an Unsupported URI	
	Scheme (416 Unsuppo	orted URI Scheme) request	t failure response.	
SIP Parameter values	INVITE: Request line	e got:[any URI]		
Comments				
Message flows	Mx	SUT	lc	
			← 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 i	n INVITE received	
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the other network including Max-Forwards header set to 0, sends a Too many hops (483 Too many hops) request		
	failure response.	•	
SIP Parameter values	INVITE:		
	Max-Forward	s: 0	
Comments			
Message flows	Mx	SUT	lc
			← INVITE
			→ 483 Too many hops
			← ACK

TP number	IBCF_210_003	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 decreas	sed by one in INVITE	
Test Purpose	Ensure that the IBCF on receip	ot of an INVITE request from th	e 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	INVITE 1:		
	Max-Forwards: 5		
	INVITE 2:		
	Max-Forwards: 4		
Comments			
Message flows	Mx	SUT	Ic
	INVITE 2 ←	· ←	INVITE 1
		Apply post test routine	

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 rece	ived in INVITE	
Test Purpose	Ensure that the IBCF on receip		
	Max-Forwards header, forward	ls it to the own network after ha	aving added a Max-Forwards
	header with the value set to 70) <u>.</u>	
SIP Parameter values	INVITE 1:		
	INVITE 2:		
	Max-Forwards: 70		
Comments			
Message flows	Mx	SUT	Ic
	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 on receipt of an ACK request 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-Forwa ACK 1: Max-Forwa			
Comments				
Message flows	Mx INVITE 180 Ringing 200 OK INVITE ACK 2	SUT ← → Apply post tes	Ic ← INVITE → 180 Ringing → 200 OK INVITE ← ACK 1 f routine	

Entry Doint/olg/oin		1166 [10]	
Entry Doint/ola/oin		16.6 [19]	
Entry_Point/alg/sip			
PICS 7.1.1/2			
Max-Forwards header	not received in ACK		
Ensure that the IBCF of	n receipt of an ACK request	from the other network without a	
Max-Forwards header,	forwards it to the own netwo	rk after having added a Max-Forwards	
header with the value s	set to 70.		
ACK 1:			
ACK 2:			
Max-Forwards: 70			
Mx	SUT	lc	
INVITE	←	← INVITE	
180 Ringing	→	→ 180 Ringing	
200 OK INVITE	→	→ 200 OK INVITE	
ACK 2	-	← ACK 1	
Apply post test routine			
	PICS 7.1.1/2 Max-Forwards header Ensure that the IBCF o Max-Forwards header, header with the value s ACK 1: ACK 2: Max-Forwards Mx INVITE 180 Ringing	PICS 7.1.1/2 Max-Forwards header not received in ACK Ensure that the IBCF on receipt of an ACK request Max-Forwards header, forwards it to the own netwo header with the value set to 70. ACK 1: ACK 2: Max-Forwards: 70 Mx SUT INVITE 180 Ringing 200 OK INVITE ACK 2 CHARACTERIST SUT ACK 2 FOR ACK 2	

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 CANCEL unkr	own		
Test Purpose	Ensure that the IBCF on recei	pt of a CANCEL request fror	m the other network with a	
-	Request-URI with a scheme the			
	Scheme (416 Unsupported UI			
SIP Parameter values	CANCEL: Request line got:[a	ny URI]		
Comments				
Message flows	Mx	SUT	Ic	
_	INVITE	←	INVITE	
	180 Ringing →	→	180 Ringing	
		←	CANCEL	
		→	416 Unsupported URI Scheme	
	Apply post test routine			

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			request from the other network including a many hops (483 Too many hops) request	
SIP Parameter values	CANCEL: Max-Forwa	rds: 0		
Comments				
Message flows	Mx INVITE 180 Ringing	SU' ← →	← INVITE→ 180 Ringing← CANCEL→ 483 Too many hops	
	Apply post test routine			

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	Ensure that the IBCF on receipt of a CANCEL request from the other network, without a Max-Forwards header, forwards it to the own network after having added a Max-Forwards header with the value set to 70.			
SIP Parameter values	CANCEL 1: CANCEL 2: Max-Forwar	rds: 70		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	←	← INVITE	
	180 Ringing	→	→ 180 Ringing	
	CANCEL 2	←	← CANCEL 1	
	Apply post test routine			

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 unl	known	
Test Purpose	Ensure that the IBCF o	n receipt of a BYE request from	om the other network with a
			and, sends an Unsupported URI
	Scheme (416 Unsuppo	rted URI Scheme) request fa	ilure response to the other network.
SIP Parameter values	BYE: Request line go	t:[any URI]	
Comments			
Message flows	Mx	SUT	lc
	A session is already established		
		-	← BYE
			→ 416 Unsupported URI Scheme
	Apply post test routine		

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 hops (483 Too many hops) request				
	failure response to the	own network.			
SIP Parameter values	BYE:				
	Max-Forward	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 n network after having decreasing this	
SIP Parameter values	BYE 1: Max-Forward	ds: 5		
	BYE 1: Max-Forward	ds: 4		
Comments	24			
Message flows	Mx	SUT	Ic	
	A session is already established			
	BYE 2	←	← BYE 1	
		Apply post test ro	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 rece	ived in BYE	
Test Purpose	Ensure that the IBCF on receip		
	Max-Forwards header, forward	ls it to the own network after ha	aving added a Max-Forwards
	header 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 establishe	ed
	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	ine URI parameter in INVITE	
Test Purpose	Request-URI containing		st from the other network with the emoves this parameter from the other network.
SIP Parameter values	INVITE 1: Request line INVITE: Request line	e [URI] ;UnsupportedToken=l e [URI]	JnsupportedValue
Comments			
Message flows	Mx	SUT	Ic
	INVITE 2	←	← INVITE 1
		Apply post test re	outine

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 lin	e URI parameter in ACK	
Test Purpose	Request-URI containing		from the other network, with the emoves that parameter from the eown network.
SIP Parameter values	ACK 1: Request line ACK 2: Request line	[URI] ;UnsupportedToken=l [URI]	JnsupportedValue
Comments			
Message flows	Mx	SUT	lc
	INVITE 180 Ringing 200 OK INVITE ACK 2	← → ←	← INVITE→ 180 Ringing→ 200 OK INVITE← ACK 1
		Apply post test re	outine

TP number	IBCF_210_016	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	ine URI parameter in CANCE	L
Test Purpose	Request-URI containir		est from the other network with the emoves that parameter from the sown network
SIP Parameter values		t line [URI] ;UnsupportedToke	
Comments			
Message flows	Mx INVITE 180 Ringing CANCEL 2	SUT ← → ← Apply post test re	Ic ← INVITE → 180 Ringing ← CANCEL 1 putine

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 lin	e URI parameter in BYE				
Test Purpose	Ensure that the IBCF on receipt of a BYE request from the other network with the Request-URI containing a not allowed parameter, removes that parameter from the Request-URI before forwarding that message to the own network.					
SIP Parameter values	BYE 1:Request line [URBYE 2:Request line [UR	tl] ;UnsupportedToken=Unsu tl]	ıpportedValue			
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE 2	←	← BYE 1			
	Apply post test routine					

TP number	IBCF_210_018	Refere	ence		5.10.5 [1],
					16.6 [19]
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	200 OK does not ma	atch an existing tra	nsaction		
Test Purpose		ot match to an exis			TE) response from the own with a single Via header, does
SIP Parameter values	200 OK INVITE: Cs	eq: [any value] No	OTIFY		
Comments					
Message flows	Mx		SUT		lc
	INVITE	←		←	INVITE
	180 Ringing	→		→	180 Ringing
	200 OK	→			
	Apply post test routine				

TP number	IBCF_210_019	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	n the Proceeding state wh	nen 100 was received
Test Purpose	· ·	response from the own ne	saction is in the Calling state, on receipt etwork enters in the Proceeding state.
SIP Parameter values			
Comments			
Message flows	Mx INVITE 100 Trying	SUT ← →	ic ← INVITE
		Apply post test	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	ne Proceeding state who	en 183 was received		
Test Purpose		Session Progress) res	action is in the Calling state, on receipt ponse from the own network enters in		
SIP Parameter values		•			
Comments					
Message flows	Mx INVITE 183 Session Progress	SUT ← →	Ic ← INVITE → 183 Session Progress		
	Apply post test routine				

TP number	IBCF_210_021	Refer	ence	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	s in the Proceed	ling state when 180	was received		
Test Purpose		ging) response t		s in the Calling state, on receipt k enters in the Proceeding state.		
SIP Parameter values						
Comments						
Message flows	Mx INVITE 180 Ringing	← →		Ic ← INVITE → 180 Ringing		
	Apply post test routine					

TP number	IBCF_210_022		Reference		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	S 7.2.4/7					
Test Purpose name	UDP Timeout timer A t	he INVITI	E 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			Ic	
	INVITE	←	Start A (T1)	←	INVITE		
	INVITE	←	Timeout A				
			Apply post test r	routine			

TP number	IBCF_210_023	F	Reference		5.10.5 [1],			
					17.1.1.1 [1	9]		
TSS reference	Entry_Point/alg/sip							
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/8							
Test Purpose name	TCP Timeout timer A the INVITE is not repeated							
Test Purpose	If a reliable transport (TCP) is used, ensure that the IBCF, when an INVITE client							
	transaction is in the Calling state does not repeat 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 INVITE	←	SUT Start A (T1)	←	INVITE	Ic		
			Timeout A					
	Apply post test routine							

TP number	IBCF_210_024	j	Reference		5.10.5 [1],			
					17.1.1.1 [1	9]		
TSS reference	Entry_Point/alg/sip							
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/7							
Test Purpose name	UDP Second timeout timer A the INVITE is repeated							
Test Purpose	If an unreliable transport (UDP) is used, ensure that the IBCF, when an INVITE client transaction is in the Calling state having already repeated its INVITE to the own network wait for a timer A set with a value of 2*T1 before sending it again.							
SIP Parameter values								
Comments								
Message flows	Mx INVITE	←	SUT	←	INVITE	Ic		
	INVITE	←	Start A (2*T1)					
	INVITE	+	Timeout A Apply post test ro	utine				

TP number	IBCF_210_025	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/	7			
Test Purpose name	UDP Third timeout timer A the	INVITE is repeated			
Test Purpose	If an unreliable transport (UDP) is used, ensure that the IBCF, when an INVITE client transaction is in the Calling state retransmits its INVITE request to the own network with intervals that double after each transmission.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	Ic		
	INVITE	_	INVITE		
	INVITE	Timeout A Apply post test routine			

TP number	IBCF_210_026	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 7.2.4/7	7			
Test Purpose name	UDP: No ACK is sent after time	eout 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 network.				
SIP Parameter values					
Comments	After timeout timer B the INVIT	E is not retransmitted and no A	CK 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/	7			
Test Purpose name	UDP: ACK is retransmitted unt	til timeout timer D			
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when an INVITE client transaction is in the Completed state, on receipt of an unsuccessful 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 INVITE [any unsuccessful final respon ACK [any unsuccessful final respon ACK [any unsuccessful final respon ACK	← Start timer D se] → ←	Ic ← INVITE → [any final response] ← ACK		
	[any unsuccessful final respon	-			
		Apply post test routine			

TP number	IBCF_210_028	Reference	e		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/	8			
Test Purpose name	TCP: ACK is retransmitted unti	I timeout	timer D		
Test Purpose	If a reliable transport is used, e				
	the Completed state, on receip				
	that matches the transaction, re	epeats its	ACK request until timed	out tir	ner D.
SIP Parameter values					
Comments					
Message flows	Mx		SUT		lc
	INVITE	←		←	INVITE
	[any unsuccessful final respons	se] →		→	[any final response]
	ACK	←	Start timer D	←	ACK
	[any unsuccessful final respons	se] →			
	ACK	←			
	[any unsuccessful final respons	sel →	Timeout timer D		
	Tarry unsuccessful fillal respons	-	post test routine		

TP number	IBCF_210_028A	Refe	ence		5.10.5 [1], 17.1.1.1 [19]
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	ACK is not retransmitte	ed			
Test Purpose	Ensure that the IBCF, when an INVITE client transaction is in the Terminated state, on receipt of an 200 OK INVITE final response from the own network that matches the transaction, does not repeat its ACK request.				
SIP Parameter values		•	•		
Comments					
Message flows	INVITE 200 OK INVITE ACK 200 OK INVITE	← → ←	SUT	÷ ÷	IC INVITE 200 OK INVITE ACK
		Ар	oly post test routin	пе	

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 7.2.4/7	
Test Purpose name	UDP: BYE is retransm	itted after timeout timer E	
Test Purpose		sent a BYE request to the over	CF, when a BYE client transaction is in wn 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 re	outine

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/	7	
Test Purpose name	UDP: BYE is retransmitted after	er second timeout timer E	
Test Purpose	If an unreliable transport is use	d, ensure that the IUT, when a	BYE client transaction is in
	the Trying state having sent tw	ice times a BYE request to the	own network, repeats its
	request after timer E set to the		, ,
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	A :	session is already establishe	ed
	BYE ←	-	BYE
	BYE ←	` '	
	5.2	Start timer E (2*T1)	
	BYE ←	· · ·	
	DIE	rimeout umer E	
		Apply post test routine	

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 7.2.4/7	7	
Test Purpose name	UDP: BYE is retransmitted after	r third timeout timer E	
Test Purpose	If an unreliable transport is use the Trying state having sent thr	ee times a BYE request to the	
	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 establishe	ed
	BYE ←	Start timer E (T1)	BYE
	BYE ←	Timeout timer E	
		Start timer E (4*T1)	
	BYE ←	Timeout timer E	
		Apply post test routine	

	I-0	In .	E 40 E [4]
TP number	IBCF_210_032	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 7.2.4/7	7	
Test Purpose name	UDP: BYE is retransmitted afte	r timeout timer E value T2	
Test Purpose	If an unreliable transport is use		
	the Trying state and the time of	T2 is reached, the BYE reque	st is retransmitted to the own
	network in the time of T2.		
SIP Parameter values			
Comments			
Message flows	Mx	SUT	Ic
	Α :	session is already establishe	d
	BYE ←	Start timer E, F (64*T1)	E 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	

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 AND PICS 7.2.4/	7	
Test Purpose name	The BYE is not repeated after t	timeout Timer F	
Test Purpose	If an unreliable transport is use		
	the Trying state does not repeat	at a BYE request, after timer F	set to 64*T1 expires.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
	A:	session is already establishe	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 AND PICS	5 7.2.4/7	
Test Purpose name	UDP: BYE Transaction	in the terminated state	
Test Purpose			n is in the Trying state, considers the
OID D	transaction terminated a	after 64" i i duration expires	without receiving any final response.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	lc
		A session is already e	established
	BYE ← St	art timer E, F (64*T1)	BYE
	BYE ← Tiı	meout timer E	
	BYE 🗲 Tiı	meout timer E	
		–	
	l II	meout 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 recei	pt of an INVITE request from the	ne other network, sends a
	provisional (100 Trying) respon	nse to the own network includir	ng 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_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 received in the	ne INVITE, no tag parameter se	ent in 100			
Test Purpose	Ensure that the IBCF, on receip					
	set on the To header, sends a	provisional (100 Trying) respor	nse to the other network			
	including the same URI and no	tag in the To header.				
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 routine					

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 received	in INVITE, the same tag par	rameter is sent in the 100			
Test Purpose	Ensure that the IBCF, of	on receipt of an INVITE reque	est from the other network with a "tag"			
			ng) response to the other network			
	including the same UR	I and the same tag in the To	header.			
SIP Parameter values	INVITE:					
	To: [any UR	To: [any URI], tag=[any value]				
	100:					
	To: [any UR	To: [any URI], tag=[same value as in INVITE received]				
Comments			•			
Message flows	Mx	SUT	lc			
	A session is already established					
	INVITE	←	← INVITE			
			→ 100 Trying			
	Apply post test routine					

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 repeated if IN	VITE request received with sai	me branch parameter			
Test Purpose	Ensure that the IBCF in a serve					
	from the other network, including sent-by value in the topmost list					
SIP Parameter values	INVITÉ:					
	Via:					
	100:					
	Via:					
Comments						
Message flows	Mx	SUT	lc			
	INVITE ←	←	INVITE			
	100 Trying →	→	100 Trying			
		←	INVITE			
	→ 100 Trying					
		Apply post test routine				

TP number	IBCF 210 039	Referen	ice	5.10.5 [1],			
III IIdilibei	1801 _210_000	T.C.C.C.		17.2.1, 17.2.3 [19]			
				17.2.1, 17.2.3 [1 9]			
TSS reference	Entry_Point/alg/sip						
Selection criteria	PICS 7.1.1/2						
Test Purpose name	The same Via header	is sent in the repe	eated 486 response				
Test Purpose				receipt of an INVITE request			
		•		ame branch parameter and			
	sent-by value in the to	pmost list value, r	epeats its last respor	nse sent to the other network.			
SIP Parameter values	486 1:						
	Via:						
	486 2:						
	Via:						
Comments							
Message flows	Mx		SUT	lc			
	INVITE	←	←	INVITE			
	486 Busy Here	→	→	486 Busy Here 1			
	ACK						
	← INVITE						
		→ 486 Busy Here 2					
		← ACK					
1	1	Apply post test routine					

TP number	IBCF_210_040	Reference	5.10.5 [1],			
			17.2.2, 17.2.3 [19]			
TSS reference	Entry_Point/alg/sip					
Selection criteria	PICS 7.1.1/2					
Test Purpose name	The same Via header is sent in	the repeated 200 OK respons	se			
Test Purpose	Ensure that the IBCF in a serve	er BYE Completed state, on r	eceipt of a BYE request,			
	including a Via header set with	the same branch parameter a	and sent-by value in the			
	topmost list, repeats its last res	ponse.	•			
SIP Parameter values	BYE:	BYE:				
	Via:					
	200 OK:					
	Via:	Via:				
Comments						
Message flows	Mx	SUT	lc			
	A session is already established					
	BYE ←	←	BYE			
	200 OK BYE →	→	200 OK BYE			
		+	BYE			
		→	200 OK 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 CAN	CEL received as in INVITE			
Test Purpose	Ensure that the IBCF in a server INVITE Proceeding state , on receipt of a CANCEL, including a Via header set with the same branch parameter and sent-by value with the topmost Via value INVITE to be cancelled, sends a Success (200 Success) response to the CANCEL request.				
SIP Parameter values	•				
Comments					
Message flows	100 Trying CANCEL 200 OK CANCEL 487 Request Terminated	SUT + + + + + + + + + + + + + + + + + + +	Ic INVITE 100 Trying CANCEL 200 OK CANCEL 487 Request Terminated ACK		

TP number	IBCF_210_042	Refere	ence		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 sta	te into the Comp	leted	state	
Test Purpose		Ensure that the IBCF in a server INVITE Proceeding state, after sending a 4XX response, enters in the Completed state.				
SIP Parameter values						
Comments						
Message flows	Mx		SUT		lc	
_	INVITE 100 Trying	← →		←	INVITE 100 Trying	
	486 Busy Here ACK	→		→	486 Busy Here	
		-		→	486 Busy Here ACK	

TP number	IBCF_210_043	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	Proceeding stat	e into the Confirr	ned s	state	
Test Purpose	Ensure that the IBCF in	Ensure that the IBCF in a server INVITE Completed state, on receipt of an ACK request,				
	enters in the Confirmed	d 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	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/Transacti	on does not exist (481 Ca	all/Transaction does not exist).			
SIP Parameter values						
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 PICS 7.2.4/	1			
Test Purpose name	Final response repeated after	imeout timer G			
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction is in the Completed state repeats its response sent to the other network on the timeout condition of timer G set with a value of T1.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	Ic		
_	INVITE ←	←	INVITE		
	180 Ringing →	→	180 Ringing		
	403 Forbidden →		5 5		
		Start timer G (T1) →	403 Forbidden		
		Timeout timer G ´ →	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 7.2.4/	'8			
Test Purpose name	Final response is not repeated	after timeout timer G			
Test Purpose	If a reliable transport (TCP) is used, ensure that the IBCF, when an INVITE server transaction is in the Completed state does not repeat its response to the other network on the timeout condition of timer G set with a value of T1.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	Ic		
-	INVITE 180 Ringing 403 Forbidden	· -	INVITE 180 Ringing		
	•	• Start timer G (T1) → Timeout timer G	403 Forbidden		
		+	ACK		

TP number	IBCF_210_047	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/	1	
Test Purpose name	Final response repeated after s	second timeout timer G	
Test Purpose	If an unreliable transport is use is in the Completed state and h network, repeats it after timer C	aving already sent twice times	its response to the other
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 ACK
		Apply post test routine	

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/					
Test Purpose name	Final response repeated after t	hird timeout timer G				
Test Purpose	If an unreliable transport is use is in the Completed state and h					
	network, repeats it after timer G					
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	is entered after timer H v	vas ex	pired
Test Purpose		, when an INVITE server ted state after timer H se		action is in the Completed state and, 4*T1 value expires.
SIP Parameter values				·
Comments				
Message flows	Mx	SUT		Ic
	INVITE ←		←	INVITE
	180 Ringing →		→	180 Ringing
	403 Forbidden →			
		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],		
			17.2.1, Annex 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 is not repeated	after timeout timer H			
Test Purpose	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 other network after timer H set to 64*T1 value expires.				
SIP Parameter values					
Comments					
Message flows	Mx	SUT	lc		
	INVITE +	+	INVITE		
	180 Ringing →	→	180 Ringing		
	403 Forbidden →				
		Start timer H (64*T1) →	403 Forbidden		
		→	403 Forbidden		
		→	403 Forbidden		
	Timeout timer H				
		Apply post test routine			

TP number	IBCF_210_051	Reference	е	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 entered after time	r I was expired		
Test Purpose	If an unreliable transport is used, ensure that the IBCF, when an INVITE server transaction 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		Ic	
	INVITE	←	← INVI	TE	
	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	p		·		
Selection criteria	PICS 7.1.1/2 AND	PICS 7.2.4/2				
Test Purpose name	The server enters	immediately in the te	erminated state	9		
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		Ic		
	INVITE 180 Ringing 403 Forbidden	← → → Start timer I	→ → (T4) ←	INVITE 180 Ringing 403 Forbidden ACK ACK		
1			→	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 AND PICS 7.2.4	/1		
Test Purpose name	Enters from the completed sta	te into the terminated 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	SUT	Ic	
	A	session is already established	ed	
	BYE ←	← BYE		
	200 OK BYE → Start	timer J (64*T1) → 200 OK	BYE	
		← BYE		
		→ 200 OK	BYE	
	Time	out timer J		
	Time	◆ BYE		
			I/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 receives in INVITE request from the other network, ensure that an INVITE				
	is sent to the own netw	ork and the Contact head	er contains the URI of the IBCF.			
SIP Parameter values	INVITE:					
	Contact: <[L	JRI of IBCF]>				
Comments						
Message flows	Mx	SUT	lc			
	INVITE	←	← 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	S 7.2.4/6 AND PICS 7.2.4/3				
Test Purpose name	An IPv6 Address in the	e Contact header in the sent I	NVITE			
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 contains an IP address it is an IPv6 address identifying the IBCF.				
SIP Parameter values	INVITE 2:					
	Contact: <[5555::aaa:bbb:ccc:ddd]>				
Comments	The IPv6 address is a	n example not a real value				
Message flows	Mx	SUT	lc			
	INVITE 2	←	← INVITE 1			
	Apply post test routine					

TP number	IBCF_210_056	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sip				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	4 AND PICS 7.2.4/5			
Test Purpose name	An IPv4 Address in the Contact	t header in the sent INVITE			
Test Purpose	When the IBCF receives in INVITE request from the other IPv6 network, ensure that an INVITE is sent to the own 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.c	ccc.ddd]>			
Comments	The IPv4 address is an exampl	e not a real value			
Message flows	Mx	SUT	Ic		
	INVITE 2 ←	←	INVITE 1		
	Apply post test routine				

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 trans	lation in the Contact header i	n the sent INVITE		
Test Purpose	is sent to the own netv		e other network, ensure that an INVITE eader contains an IP address not equal		
SIP Parameter values	INVITE 2:				
	Contact: <[a	aaa.bbb.ccc.ddd]>			
Comments	The IPv4 address is a	n example 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 parameter	in the Contact header		
Test Purpose	Ensure that the IBCF on receipt of an INVITE request from the other network including non-understood uri-parameters in the SIP-URI of the Contact header forwards the message to the own network.			
SIP Parameter values	INVITE: Contact: <[an	y URI]>;unknown=nonunde	rstood	
Comments	-			
Message flows	Mx	SUT	lc	
	INVITE	← Apply post test ro	← INVITE putine	

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 prese	nt in the Contact header		
Test Purpose			st from the other network including a	
	header parameter in the	SIP-URI of the Contact hea	der forwards the message to the own	
	network.		-	
SIP Parameter values	INVITE:			
	Contact: <[any	/ URI]>;h1=%		
Comments				
Message flows	Mx	SUT	lc	
	INVITE	←	← INVITE	
	Apply post test routine			

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 head	er
Test Purpose		to "INVITE" in the SIP-URI	est from the other network including a of the Contact header forwards the
SIP Parameter values	INVITE: Contact: <[a	any URI];method=INVITE>	
Comments			
Message flows	Mx	SUT	lc
	INVITE	←	← INVITE
		Apply post test	routine

TP number	IBCF_210_061	Reference	5.10.5 [1]
TSS reference	Entry_Point/alg/sip	•	<u> </u>
Selection criteria	PICS 7.1.1/2		
Test Purpose name	One Via header is ser	nt to the own network	
Test Purpose	request was received		ne own network when an INVITE ne Via header entry is present es are not present.
SIP Parameter values	INVITE 2: Via: SIP/2.0	0/[any transport] [URI of IBCF];branch=z9hG4bK
Comments			•
Message flows	Mx INVITE 2	SUT ← Apply post test r	Ic ← INVITE 1 outine

TP number	IBCF_210_062	Reference	5.10.5 [1]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PI	ICS 7.2.4/3 AND PICS 7.2.4/	6
Test Purpose name	The Via header URI i	is a IPv6 address	
Test Purpose			own IPv6 network and the Via header re that the IP address in the Via header is
SIP Parameter values	INVITE 2: Via: SIP/2.0/[a	any transport] [[5555::aaa:bb	b:ccc:ddd]:>port>];branch=[any value]
Comments	The IP v6 address is	an example not a real value	
Message flows	Mx	SUT	lc
	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	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 INVI value identifying the IBCF is an an IPv4 address.		
SIP Parameter values	INVITE 2: Via: SIP/2.0/[any transp	ort] [aaa.bbb.ccc.ddd: <port>];k</port>	oranch=[any value]
Comments	The IP v4 address is an examp	le 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 translation in	the Via header in the sent INV	ITE
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 top most 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	Ic
	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	Ensure that the IBCF of	on receipt of an INVITE requ	est from the other network including a
	branch parameter nam	ed with upper and lower cas	ses 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	←	← INVITE
		Apply post test i	outine

IBCF_210_066	Reference	5.10.5 [1], 7.2 [19]
Entry_Point/alg/sip	·	
PICS 7.1.1/2		
Successful final respon	nse with non-defined respo	nse code received
receipt of a Success (2	299 OK) response with non-	
299 OK CSeq: [any	value] INVITE	
Mx INVITE 180 Ringing 299 OK INVITE	SUT ← → Apply post test	Ic ← INVITE → 180 Ringing → 299 OK INVITE
	Entry_Point/alg/sip PICS 7.1.1/2 Successful final respo Ensure that the IBCF areceipt of a Success (amessage to the own notes are compared to the own notes	Entry_Point/alg/sip PICS 7.1.1/2 Successful final response with non-defined respo Ensure that the IBCF after having forwarded an IN receipt of a Success (299 OK) response with non-message to the own network. 299 OK CSeq: [any value] INVITE Mx SUT INVITE 180 Ringing

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 p	hrase received
Test Purpose		:00 PERFECT) response w	IVITE request from the other network, on ith 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 test	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 receive	es an INVITE request from the	e other network, an INVITE request is
	sent to the own networ	k. Ensure that the 'tag' value	of the sent From header field is
	different from the value	e received from the other netw	vork.
SIP Parameter values	INVITE 2:		
	From: <[any	URI]>;tag=[any value]	
Comments			
Message flows	Mx	SUT	lc
_	INVITE 2	←	← INVITE 1
		Apply post test ro	outine

TP number	IBCF_210_069	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 header field in the s	sent INVITE	
Test Purpose	When the IBCF receive	es an INVITE request from	the other network, an INVITE request is
	sent to the own networ	rk. Ensure that no 'tag' valu	ue is present in the To header field in the
	INVITE sent to the owr	n network.	
SIP Parameter values	INVITE 2:		
	To: <[any U	RI]>	
Comments			
Message flows	Mx	SUT	lc
	INVITE 2	←	← INVITE 1
		Apply post tes	t routine

TP number	IBCF_210_070	Reference	5.10.5 [1], 8.1 [19]
TSS reference	Entry_Point/alg/sip		[5[]
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		om the own network, a 180 Ringing he 'tag' value sent to the other network work
Comments			
Message flows	Mx	SUT	lc
- C	INVITE 180 Ringing	← →	← INVITE→ 180 Ringing
		Apply post test r	outine

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	When the IBCF receives a	183 Session Progress re	esponse from the own network, a 183
	Session Progress response is sent to the other network. Ensure that the 'tag' value sent to		
	the other network is not eq	jual to the value received	from the own network.
SIP Parameter values			
Comments			
Message flows	Mx	SUT	Ic
_	INVITE	←	← INVITE
	183 Session Progress	→	→ 183 Session Progress
	Š	Apply post test r	•

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		on receipt of an INVITE requent names forwards the message	est from the other network including ge to the own network.	
SIP Parameter values	INVITE: f: <[any UR t: <[any UR	l]>;tag=[any value] l]>		
Comments		-		
Message flows	Mx	SUT	lc	
	INVITE	←	← INVITE	
	Apply post test routine			

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 IBCF of	Ensure that the IBCF on receipt of an INVITE request from the other network with SIP			
	version in lower case for	orwards the message to the	own network.		
SIP Parameter values	INVITE: sip: [any UR	I]sip/2.0			
Comments					
Message flows	Mx	SUT	Ic		
	INVITE	←	← INVITE		
	Apply post 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 names in u	pper and lower cases	
Test Purpose			st from the own network including s the message to the other network.
SIP Parameter values	INVITE: frOM: <[any URI] tO: <[any URI]>	>;tag=[any value]	
Comments			
Message flows	Mx	SUT	lc
	INVITE	-	← INVITE
	Apply post test routine		

TP number	IBCF_210_075	Refere	ence	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 INV	ITE establishes	a new call leg	
Test Purpose	When the IBCF receiv sent to the own netwo received from the other	rk. Ensure that t	quest from the other ne Call-ID value is di	network, an INVITE request is fferent from the Call-ID value
SIP Parameter values	INVITE 2: Call-ID: [an	y value]		
Comments	-			
Message flows	Mx		SUT	lc
	INVITE 2	←	+	· INVITE 1
		Appl	y 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	b		
Test Purpose	Ensure that the IUT, on	Ensure that the IUT, on receipt of an INVITE request from the other network without Call-Id			
	header sends a Bad Red	quest (400 Bad Request) res	sponse.		
SIP Parameter values	INVITE:				
	Call-ID heade	r not present			
Comments					
Message flows	Mx	SUT		lc	
			←	INVITE	
			→	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	S 7.2.4/2		
Test Purpose name	INVITE request with se	veral CRLF before star	t-line supported	
Test Purpose			quest from the other network over a CRLF before the start-line, forwards the	
SIP Parameter values				
Comments				
Message flows	Mx	SUT	lc lc	
	INVITE	←	← 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		own network and if the Reco	ne other network ensure that an INVITE rd-Route header entry is present it
SIP Parameter values	INVITE 2: Record-Rou	ute: <sip:[uri ibcf];lr="" of=""></sip:[uri>	
Comments			
Message flows	Mx	SUT	lc
	INVITE 2	←	← INVITE 1
		Apply post test	routine

TP number	IBCF_210_080	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	IPv6 address in the Record-Re	pute header in the sent INVITE	
Test Purpose	When the IBCF receives an IN	VITE request from the other IP	v4 network ensure that an
	INVITE request is sent to the o	wn IPv6 network and when the	Record-Route header
	contains an IP address identify	ing the IBCF it is an IP v6 addr	ess.
SIP Parameter values	INVITE 2:		
	Record-Route: <sip:< th=""><th>[5555::aaa:bbb:ccc:ddd];lr></th><th></th></sip:<>	[5555::aaa:bbb:ccc:ddd];lr>	
Comments			
Message flows	Mx	SUT	lc
	INVITE 2 ←	←	INVITE 1
		Apply post test routine	

TP number	IBCF_210_081	Reference	5.10.5 [1]
TSS reference	Entry_Point/alg/sip		
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	4 AND PICS 7.2.4/5	
Test Purpose name	IPv4 address in the Record-Ro	oute header in the sent INVITE	
Test Purpose	When the IBCF receives an IN INVITE request is sent to the ocontains an IP address identify	wn IPv4 network and when the	Record-Route header
SIP Parameter values	INVITE 2:		
	Record-Route: <sip:< th=""><th>[aaa.bbb.ccc.ddd];lr></th><th></th></sip:<>	[aaa.bbb.ccc.ddd];lr>	
Comments			
Message flows	Mx	SUT	Ic
	INVITE 2 ←	←	INVITE 1
		Apply post test 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 he	ader GRUU is sent				
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	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	1	[
Selection criteria	PICS 7.1.1/2				
Test Purpose name	No GRUU received in Contact	header no GRUU is sent			
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	110 01100				
Message flows	Mx INVITE ← 180 Ringing → 200 OK INVITE →	→	Ic INVITE 180 Ringing 200 OK INVITE		

6.2.5.2 Treatment of session and media description

TP number	IBCF_211_001	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 o line of the INVITE				
Test Purpose	When the IBCF receives an IN	/ITE request from the other ne	etwork and the 'o' line contains			
	the IP address from the owner/	creator in the other network, e	nsure that an INVITE request			
	is sent to the own network and	the SDP contains an 'o' line th	e IP address is set to the IP			
	address of the IBCF of the own	network.				
SIP Parameter values	INVITE 1:					
	SDP					
	o=[any value] [ar	ny value] [any value] IN IP4 [IP	address owner (PIXIT)]			
	or					
	o=[any value] [any value] [any value] IN IP6 [IP address owner (PIXIT)]					
	, ,,					
	INVITE 2:					
	SDP					
	o=[any value] [ar	ny 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	lc			
	INVITE 2 ←	←	INVITE 2			
	Apply post test routine					

TP number	IBCF_211_002	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sdp	Entry_Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/3	3 AND PICS 7.2.4/6			
Test Purpose name	IPv4 to IPv6 IP version interwork	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] [any value] IN IP4 [IP address owner (PIXIT)] INVITE 2: SDP				
	o=[any value] [any value] IN IP6 [IP address IBCF]				
Comments					
Message flows	Mx	SUT	lc		
	INVITE 2 ←	← Apply post test routine	INVITE 1		

TP number	IBCF_211_003	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 7.2.4/5		
Test Purpose name	IPv4 to IPv6 IP version interwor	rking in the o line of the INVITE		
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 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 1: SDP o=[any value] [any value] IN IP6 [IP address owner (PIXIT)]			
	INVITE 2: SDP o=[any value] [any value] IN IP4 [IP address IBCF]			
Comments			-	
Message flows	Mx	SUT	lc	
	INVITE 2 ←	← Apply post test routine	INVITE 1	

TP number	IBCF 211 004	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 a line of the 200 OK INIVIT	F		
Test Purpose	When the IBCF receives a 200				
rest Furpose					
	contains the IP address from th				
	INVITE response is sent to its of				
	address is set to the IP address	s of the IBCF of the own netwo	ork.		
SIP Parameter values	200 OK 1:				
	SDP				
	o=[any value] [ar	ny value] [any value] IN IP4 [IP	address owner (PIXIT)]		
	or				
	o=[any value] [any value] IN IP6 [IP address owner (PIXIT)]				
	200 OK 2:				
	SDP				
	o=[anv value] [ar	ny value] [any value] IN IP4 [IP	address IBCF1		
	or				
	o=[any value] [any value] IN IP6 [IP address IBCF]				
Comments					
Message flows	Mx	SUT	Ic		
_	INVITE	←	INVITE		
	180 Ringing →	→	180 Ringing		
	200 OK INVITE 1 →	- -	200 OK INVITE 2		
	200 011 1111 1	Apply post test routine	200 010 1100112 2		

TP number	IBCF_211_005	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 7.2.4/5			
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the o line of the 200 Ol	K INVITE		
Test Purpose	When the IBCF receives a 200	OK INVITE response from the	own network and the 'o' line		
	contains the IP address from the	ne owner/creator in the own ne	twork and is an IPv4 address,		
	ensure that a 200 OK INVITE r	esponse is sent to the other ne	twork and the SDP contains		
	an 'o' line the IP address is set	to the IPv6 address of the IBC	F of the own network.		
SIP Parameter values	200 OK 1:				
	SDP	SDP			
	o=[any value] [ar	o=[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					
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_006	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/	3 AND PICS 7.2.4/6			
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the o line of the 200 C	OK INVITE		
Test Purpose	When the IBCF receives a 200	OK INVITE response from the	e own network and the 'o' line		
	contains the IP address from the	ne owner/creator in the own ne	etwork and is an IPv6 address,		
	ensure that a 200 OK INVITE r				
	an 'o' line the IP address is set	to the IPv4 address of the IB0	CF of the own network.		
SIP Parameter values	200 OK 1:				
	SDP	SDP			
	o=[any value] [ar	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]				
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_007	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 INVITE		
Test Purpose	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 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 add or c=IN IP6 [IP add			
Comments				
Message flows	Mx INVITE 2 ←	SUT ←	Ic INVITE 1	
		Apply post test routine		

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 7.2.4/3	3 AND PICS 7.2.4/6		
Test Purpose name	IPv4 to IPv6 IP version interwo	king in the c line of the INVITI	E	
Test Purpose	When the IBCF receives an IN			
	the IP address from the data co	nnection in the other network	and is an IPv4 address,	
	ensure that an INVITE request	is sent to the own network and	d the SDP contains a 'c' line	
	the IP address is set to the IPvi	address of the TrGW of the	own network.	
SIP Parameter values	INVITE 1:			
	SDP			
	c=IN IP4 [data connection address (PIXIT)]			
	INVITE 2:			
	SDP			
	c=IN IP6 [IP add	ress TrGW		
Comments				
Message flows	Mx	SUT	lc	
	INVITE 2 ←	←	INVITE 1	
	Apply post test routine			

TD	IDOE OLL COO	D (E 40 E [4]	
TP number	IBCF_211_009	Reference	5.10.5 [1]	
TSS reference	Entry_Point/alg/sdp			
Selection criteria	PICS 7.1.1/2 AND PICS 7.2.4/4	I AND PICS 7.2.4/5		
Test Purpose name	IPv4 to IPv6 IP version interwor	king in the c line of the INVITE		
Test Purpose	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 connection address (PIXIT)]			
	INVITE 2: SDP			
	c=IN IP4 [IP addi	ress TrGW]		
Comments				
Message flows	Mx	SUT	Ic	
	INVITE 2 ←	←	INVITE 1	
		Apply post test routine		

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 INVIT	E	
Test Purpose	When the IBCF receives a 200			
	contains the IP address from the			
	OK INVITE response is sent to			
	address is set to the IP address	s of the TrGW of the own netw	ork.	
SIP Parameter values	200 OK 1:			
	SDP			
	c=IN IP4 [data co	onnection address (PIXIT)]		
	or			
	c=IN IP6 [data connection address (PIXIT)]			
	200 OK 2:			
	SDP			
	c=IN IP4 [IP add	ress 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	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 interw	orking in the c line of the 200 C	OK INVITE		
Test Purpose	When the IBCF receives a 20 contains the IP address from address, ensure that a 200 Ol	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 IPv4 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 IPv6 address of the TrGW of the own			
SIP Parameter values	200 OK 2: SDP	200 OK 1: SDP c=IN IP4 [data connection address (PIXIT)] 200 OK 2:			
Comments	o-iiv ii o ții aa				
Message flows	MX INVITE 180 Ringing 200 OK INVITE 1	→	Ic INVITE 180 Ringing 200 OK INVITE 2		

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 7.2.4/3	3 AND PICS 7.2.4/6		
Test Purpose name	IPv4 to IPv6 IP version interwo	rking in the c line of the 200 O	K INVITE	
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	C=IN IP4 [IP add	ress IrGvv		
Comments Message flows	Mx	SUT	Ic	
Message flows	INVITE ← 180 Ringing → 200 OK INVITE 1	÷ →	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 PICS 7.2.5/1	AND PICS 7.2.5/2		
Test Purpose name	The IBCF adds codecs to the c	oded list in the offer		
Test Purpose	When the IBCF receives an IN			
	present, the IBCF sends an IN\			
	more codecs to the selected me	edia at the end of the received	codec list.	
SIP Parameter values	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	SUT	lc	
	INVITE 2 ←	←	INVITE 1	
	Apply post test routine			

TP number	IBCF_211_0)14	Reference		5.10.7 [1]
TSS reference	Entry_Point/	alg/sdp			
Selection criteria	PICS 7.1.1/2	2 AND PICS 7.2.5/	I AND PICS 7.2.5/2		
Test Purpose name	The IBCF re	moves previous ad	ded codecs from the S	SDP an	swer
Test Purpose	received SD to the own n	When the IBCF receives a 200 OK INVITE response from the own network and the received SDP contains 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 n<="" th=""><th>umber> RTP/AVP 8 0</th><th></th><th></th></port>	umber> RTP/AVP 8 0		
	INVITE 2:	INVITE 2: m=audio <port number=""> RTP/AVP 8 0 <codec1> (<codec2>)</codec2></codec1></port>			
	200 OK 1:	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	INVITE 2 180 Ringing 200 OK INV		SUT Apply post test ro	← → → utine	Ic INVITE 1 180 Ringing 200 OK INVITE 2

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	e own network and at least	
	one of the codecs contained in			
	response from the own network			
	codec is contained in the 200 C	K INVITE response sent to its	other network.	
SIP Parameter values	INVITE 1:			
	m=audio <port n<="" th=""><th>umber> RTP/AVP 8 0</th><th></th></port>	umber> RTP/AVP 8 0		
	INVITE 2:			
	m=audio <port number=""> RTP/AVP 8 0</port>			
	200 01/4			
	200 OK 1:	L BTD/AV/D 0		
	m=audio <port number=""> RTP/AVP 0</port>			
	200 OK 2:			
	m=audio <port number=""> RTP/AVP 0</port>			
Comments				
Message flows	Mx	SUT	lc	
	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 7.2.5/1 AND PICS 7.2.5/2				
Test Purpose name	Transcoding performed in the I	BCF			
Test Purpose	When the IBCF receives a 200 answer does not contain a cod				
	other network, the IBCF performetwork and one of the codecs	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 <port n<="" th=""><th>umber> RTP/AVP 8 0</th><th></th></port>	umber> RTP/AVP 8 0			
	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	111 212 212				
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 211 017	Reference	5.10.5 [1]		
TSS reference	Entry_Point/alg/sdp				
Selection criteria	PICS 7.1.1/2				
Test Purpose name	Passing of more than one i	n lines			
Test Purpose	When the IBCF receives an INVITE request from the other network and the SDP contains more than 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</port>				
	•	ort number> RTP/AVP 8 0 00 RTP/AVP 98 H263			
Comments					
Message flows	Mx	SUT	lc		
	INVITE 2	←	← INVITE 1		
	Apply post test routine				

Selection criteria PICS 7.1.1/2 Test Purpose name Passing of request of resource reservation	TP number	IBCF_211_0	18	Reference		5.10.5 [1]	
Test Purpose name 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. INVITE: Supported: precondition, 100rel SDP a=curr:qos remote none a=curr:qos remote sendrecv 183: Require: 100rel SDP a=curr:qos local none a=curr:qos remote none a=des:qos mandatory local sendrecv a=des:qos mandatory remote sendrecv UPDATE: SDP a=curr:qos local sendrecv a=conf:qos remote sendrecv 200 OK UPDATE SDP a=curr:qos local sendrecv a=des:qos mandatory remote sendrecv a=des:qos mandatory local sendrecv a=des:qos mandatory remote sendrecv 200 OK UPDATE SDP a=curr:qos local sendrecv a=curr:qos remote sendrecv a=curr:qos remote sendrecv a=curr:qos remote sendrecv a=des:qos mandatory local sendrecv a=des:qos mandatory local sendrecv a=des:qos mandatory remote sendrecv 200 OK UPDATE HNVITE BNS Session Progress PRACK	TSS reference	Entry_Point/a	alg/sdp				
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 INVITE: Supported: precondition, 100rel SDP a=curr:qos local none a=des:qos mandatory local sendrecv a=des:qos mandatory local sendrecv 183: Require: 100rel SDP a=curr:qos local none a=curr:qos remote none a=des:qos mandatory local sendrecv a=des:qos mandatory local sendrecv a=curr:qos remote none a=des:qos mandatory local sendrecv UPDATE: SDP a=curr:qos local sendrecv a=curr:qos remote none a=des:qos mandatory local sendrecv a=des:qos mandatory remote sendrecv 200 OK UPDATE SDP a=curr:qos local sendrecv a=des:qos mandatory local sendrecv a=des:qos mandatory remote sendrecv Comments Mx SUT Ic Message flows Mx SUT IC Material PRACK 200 OK PRACK 200 OK PRACK 200 OK PRACK PRACK 200 OK PPACK 200 OK UPDATE PRACK 200 OK UPDATE <th>Selection criteria</th> <th>PICS 7.1.1/2</th> <th></th> <th></th> <th></th> <th></th>	Selection criteria	PICS 7.1.1/2					
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Apply post test routine				-	test routine		

Annex A (informative): Bibliography

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History

Document history			
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