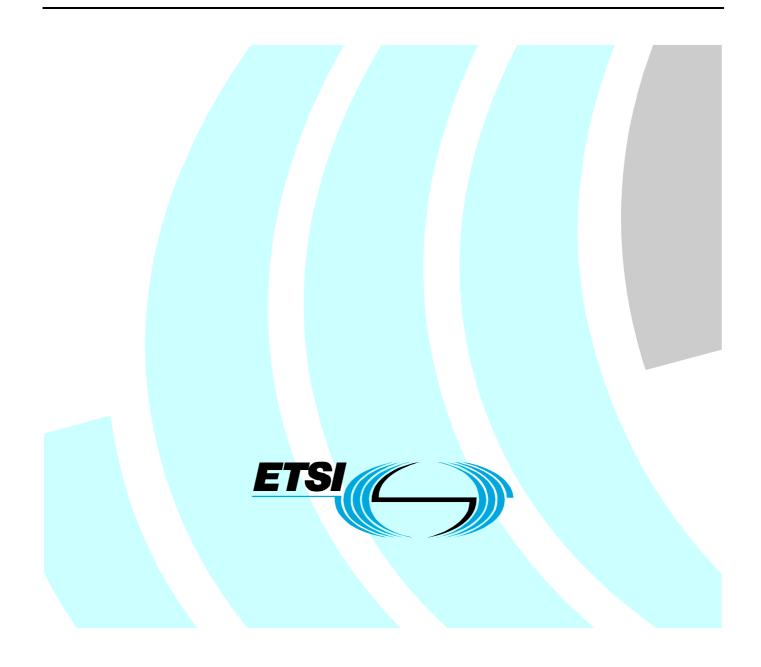
ETSI TS 186 012-2 V1.0.0 (2008-06)

Technical Specification

Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); PSTN/ISDN simulation services; Subaddressing (SUB); Part 2: Test Suite Structure and Test Purposes (TSS&TP)



Reference

DTS/TISPAN-06044-2-NGN

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN).

The present document is part 2 of a multi-part deliverable covering the Subaddressing (SUB) service, as identified below:

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

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

1 Scope

The present document specifies the test suite structure and test purposes of the Subaddressing (SUB) service, based on IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) Stage 3. Within the Next Generation Network (NGN) the stage 3 description is specified using the IP-Multimedia Communication Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP).

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.
- Non-specific reference may be made only to a complete document or a part thereof and only in the following cases:
 - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
 - for informative references.

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2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

- ETSI ES 283 003: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) Stage 3
 [3GPP TS 24.229 (Release 7), modified]".
- [2] ETSI TS 186 012-1: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); PSTN/ISDN simulation services; Subaddressing (SUB); Part 1: Protocol Implementation Conformance Statement (PICS)".
- [3] ETSI TS 181 002: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Multimedia Telephony with PSTN/ISDN simulation services".
- [4] IETF RFC 3261: "SIP: Session Initiation Protocol".
- [5] ETSI ES 283 027: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Endorsement of the SIP-ISUP Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks [3GPP TS 29.163 (Release 7), modified]".

2.2 Informative references

The following referenced documents are not essential to the use of the present document but they assist the user with regard to a particular subject area. For non-specific references, the latest version of the referenced document (including any amendments) applies.

- [i.1] IETF RFC 3966 (2004): "The tel URI for Telephone Numbers".
- [i.2] ISO/IEC 8348:2002: "Information technology Open Systems Interconnection Network service definition".
- [i.3] ITU-T Recommendation X.213: "Information technology Open Systems Interconnection Network service definition".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TS 181 002 [3] and RFC 3261 [4] apply.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ACK	ACKnowledgement
HOLD	communication HOLD
IMS	IP Multimedia Subsystem
IP	Internet Protocol
ISDN	Integrated Service Data Network
NGN	Next Generation Network
PSTN	Public Switched Telephone Network
SDP	Session Description Protocol
SIP	Session Initiation Protocol
SUB	Subaddressing
TIP	Terminating Identification Presentation
UA	User Agent
UE	User Equipment
URI	Universal Resource Identifier

4 Test Suite Structure (TSS)

SUB			
	originating_UE		SUB_U01_xxx
	originating_P-CSCF		SUB_N01_xxx
	destination_P-CSCF		SUB_N02_xxx
	destination_UE		SUB_U02_xxx
ISUP-SIP			
	SS	SUB	TP607xxx
SIP-ISUP			·
	SS	SUB	TP508xxx

5 Test Purposes (TP)

5.1 Introduction

For each test requirement a TP is defined.

5.1.1 TP naming convention

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

Table 1: TP identifier naming convention scheme

Identifier: <s< th=""><th colspan="10">Identifier: <ss>_<iut><group>_<nnn></nnn></group></iut></ss></th></s<>	Identifier: <ss>_<iut><group>_<nnn></nnn></group></iut></ss>									
<ss></ss>	=	supplementary service:	e.g. "SUB"							
<iut></iut>	=	type of IUT:	U N	User – equipment Network						
<group></group>	=	group	2 digit field I	epresenting group reference according to TSS						
<nnn></nnn>	=	sequential number	(001-999)							

5.1.2 Test strategy

As the base standard ES 283 003 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard and the PICS specification TS 186 012-1 [2]. The criteria applied include the following:

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

5.2 Test Purposes for Subaddressing (SUB)

5.2.1 Actions at the originating UA

TSS	ТР	SUB	reference [5]	Selection expression
SUB/originating_UE	SUB_U01_001	claus	e 4.5.2	PICS 1/1
Test purpose				
UE sends a subaddress in the From header in the				
Ensure that the originating user equipment is able	e to send an ISDN c	alling	party subaddress	in the From header of the
INVITE				
Preconditions:				
SIP header values:				
INVITE: From: sip: user part; isub= <subaddress></subaddress>	@hostportion			
Comments:				
UAC	SUT		UA S	
INVITE		→	INVITE	
100 Trying 🗧 🗧		÷	100 Trying	
180 Ringing		÷	180 Ringing	
200 OK INVITE		←	200 OK INVITE	
ACK →		→	ACK	
	Communication	_		
BYE →		→	BYE	
200 OK BYE +		+	200 OK BYE	

TSS		TP	SUB	reference [5]	Selection expression
SUB/originating_UE		SUB_U01_002	claus	se 4.5.2	PICS 1/1
Test purpose					
UE sends a subaddress in the	e To header in the	initial INVITE			
Ensure that the originating use	er equipment is abl	le to send a called	party IS	SDN subaddress	in the To header of the
INVITE					
Preconditions:					
SIP header values:					
INVITE: To: sip: user part; isu	b= <subaddress>@</subaddress>	hostportion			
Comments:					
UAC		SUT		UA S	
INVITE	→		→	INVITE	
100 Trying	+		←	100 Trying	
180 Ringing	+		←	180 Ringing	
200 OK INVITE	+		←	200 OK INVIT	E
ACK	→		→	ACK	
		Communication			
BYE	→		→	BYE	
200 OK BYE	+		←	200 OK BYE	

5.2.2 Actions at the originating P-CSCF

TSS			TP	SUB	reference [5]	Selection expression
SUB/originating_P-CSCF SU			SUB_N01_001	claus	se 4.5.2	PICS 1/2
Test pur	pose					
Ensure the	nat the originating P-CSCF ir	able to tra	insfer an ISDN suba	addres	s in the From he	ader and To header of the
received	INVITE into the P-Asserted-	dentity and	d Request-URI			
Precond	itions:					
SIP head	ler values:					
INVITE:	From: sip: user part; isub=	<subaddre< td=""><td>ss>@hostportion</td><td></td><td></td><td></td></subaddre<>	ss>@hostportion			
	To: sip: user part; isub= <su< td=""><td>ubaddress></td><td>@hostportion</td><td></td><td></td><td></td></su<>	ubaddress>	@hostportion			
INVITE:	P-Asserted-Identity: sip: u	user part; is	sub= <subaddress></subaddress>	@hostp	portion	
	Request-URI: sip: user par	t; isub= <su< td=""><td>ibaddress>@hostpo</td><td>ortion</td><td></td><td></td></su<>	ibaddress>@hostpo	ortion		
Commer	nts:					
UA C			SUT		UA S	
INVITE		→		→	INVITE	
100 Tryir	ng	+		←	100 Trying	
180 Ring		+		←	180 Ringing	
200 OK I	NVITE	+		←	200 OK INVIT	E
ACK		→		→	ACK	
			Communication			
BYE		→		→	BYE	
200 OK E	BYE	+		←	200 OK BYE	

TSS		TP	SUB	reference [5]	Selection expression
SUB/originating_P-CSCF		SUB_N01_002	clause 4.5.2		PICS 1/2
Test purpose					
Ensure that the originating P-CSCF in the UPDATE	able to pa	ss an ISDN connec	ted su	baddress in the "	^t changed" From header of
Preconditions:					
SIP header values:					
INVITE: supported: from-change					
UPDATE: From: sip: user part; isub= <s< td=""><td>subaddres</td><td>s>@hostportion</td><td></td><td></td><td></td></s<>	subaddres	s>@hostportion			
Comments:					
UAC		SUT		UA S	
INVITE (From-change)	→		→	INVITE	
100 Trying	÷		←	100 Trying	
180 Ringing	+		←	180 Ringing	
200 OK INVITE	÷		←	200 OK INVIT	E
ACK	→		→	ACK	
UPDATE (From)	÷		←	UPDATE (Fro	m)
200 OK UPDATE	→		→	200 OK UPDA	TE
		Communication			
BYE	→		→	BYE	
200 OK BYE	←		←	200 OK BYE	

TSS	TP	SUB	reference [5]	Selection expression
SUB/originating_P-CSCF	SUB_N01_003	claus	e 4.5.2	PICS 1/2
Test purpose				
Ensure that the originating P-CSCF is able to pa	ss an ISDN connect	ted sub	address in the P	-Asserted-Identity header of
the 200 OK (INVITE)				
Preconditions:				
SIP header values:				
200 OK (INVITE): P-Asserted-Identity: sip: user	part; isub= <subaddr< td=""><td>ess>@</td><td>hostportion</td><td></td></subaddr<>	ess>@	hostportion	
Comments:				
UAC	SUT		UA S	
INVITE (From-change) →		→	INVITE	
100 Trying 🗧 🗧		←	100 Trying	
180 Ringing +		←	180 Ringing	
200 OK INVITE		←	200 OK INVITE	
ACK →		→	ACK	
	Communication			
BYE →		→	BYE	
200 OK BYE +		÷	200 OK BYE	

5.2.3 Actions at the destination P-CSCF

TSS		TP	SUB	reference [5]	Selection expression
SUB/destination_P-CSCF		SUB_N02_001		se 4.5.2	PICS 1/2
Test purpose		·			•
Ensure that the terminating P-CSCF is	s able to pa	ass an ISDN subado	dress ii	n the P-Asserte	d-Identity header and
Request-URI header of the INVITE					
Preconditions:					
SIP header values:					
INVITE: P-Asserted-Identity: sip: us	er part; isu	b= <subaddress>@</subaddress>	hostpo	ortion	
Request-URI: sip: user par	t; isub= <su< td=""><td>baddress>@hostpo</td><td>ortion</td><td></td><td></td></su<>	baddress>@hostpo	ortion		
Comments:					
UAC		SUT		UA S	
INVITE	→		→	INVITE	
100 Trying	←		←	100 Trying	
180 Ringing	+		←	180 Ringing	
200 OK INVITE	+		←	200 OK INVIT	E
ACK	→		→	ACK	
		Communication			
BYE	→		→	BYE	
200 OK BYE	+		÷	200 OK BYE	

TSS		ТР	SUB	reference [5]	Selection expression
SUB/destination_P-CSCF		SUB_N02_002		se 4.5.2	PICS 1/2
Test purpose		·			
Ensure that the terminating P-CSCI	F is able to pa	ass an ISDN subade	dress i	n the "changed"	From header of the
UPDATE					
Preconditions:					
SIP header values:					
INVITE: supported: from-change					
UPDATE: From: sip: user part; isub	= <subaddres< td=""><td>s>@hostportion</td><td></td><td></td><td></td></subaddres<>	s>@hostportion			
Comments:					
UAC		SUT		UA S	
INVITE (From-change)	→		→	INVITE	
100 Trying	÷		←	100 Trying	
180 Ringing	÷		←	180 Ringing	
200 OK INVITE	÷		←	200 OK INVIT	E
ACK	→		→	ACK	
UPDATE (From)	÷		←	UPDATE (Fro	
200 OK UPDATE	→		→	200 OK UPDA	ATE
		Communication			
BYE	→		→	BYE	
200 OK BYE	+		+	200 OK BYE	

TSS		TP	SUB	reference [5]	Selection expression
SUB/destination_P-CSCF		SUB_N02_003	claus	se 4.5.2	PICS 1/2
Test purpose					
Ensure that the terminating P-CS0 UPDATE	CF is able to pa	ass an ISDN subad	dress i	n the P-Asserted	I-Identity header of the
Preconditions:					
SIP header values:					
200 OK (INVITE): From: sip: user	part; isub= <su< td=""><td>baddress>@hostpo</td><td>ortion</td><td></td><td></td></su<>	baddress>@hostpo	ortion		
Comments:					
UAC		SUT		UA S	
INVITE (From-change)	→		→	INVITE	
100 Trying	+		←	100 Trying	
180 Ringing	+		←	180 Ringing	
200 OK INVITE	+		←	200 OK INVIT	E
ACK	→		→	ACK	
		Communication			
BYE	→		→	BYE	
200 OK BYE	÷		←	200 OK BYE	

TSS	TP	SUB	reference [5]	Selection expression
SUB/destination_UE	SUB_U02_001	claus	se 4.5.2	PICS 1/1
Test purpose				
Ensure that the terminating user equipment is al UPDATE	ble to send an ISDN	conne	cted subaddress	in the From header of the
Preconditions: Originating user is provided with	TIP			
SIP header values:				
INVITE: supported: from-change				
UPDATE: From: sip: user part; isub= <subaddres< td=""><td>ss>@hostportion</td><td></td><td></td><td></td></subaddres<>	ss>@hostportion			
Comments:				
UAC	SUT		UA S	
INVITE (From-change) →		→	INVITE	
100 Trying 🗧 🗧		←	100 Trying	
180 Ringing +		←	180 Ringing	
200 OK INVITE		←	200 OK INVITE	
ACK →		→	ACK	
UPDATE (From)		←	UPDATE (Fror	n)
200 OK UPDATE →		→	200 OK UPDA	TE
	Communication			
BYE →		→	BYE	
200 OK BYE +		÷	200 OK BYE	

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5.3 Test purposes for the ISUP/SIP Interworking

5.3.1 Outgoing Call Interworking from ISUP to SIP at O-MGCF

TP607001	SUB Ref	erence [5]:	Selection criteria:		
160/001	4.7	.4.5.2	PICS 1/4		
TSS reference:	ISUP-SIP/SS/SUB/	ISUP-SIP/SS/SUB/			
Preconditions:					
Test purpose:	The calling party subaddress is mapped in the isub parameter of the From header Ensure that the calling party subaddress in the ATP parameter of the received IAM is interworked in the isub parameter of the From header in the sent INVITE, if the Type of Subaddress is set to "0 0 0" "NSAP".				
SIP Parameter	INVITE:				
values:	From: sip: user pa	art; isub= <subaddress></subaddress>	@hostportion		
ISUP Parameter		ty aubaddraaa)			
values:	IAM: ATP(Calling par	ty subaddress)			
Comments:	ISUP	MGCF	SIP		
	IAM(ATP)	→	→ INVITE		
			← 100 Trying		
	ACM	+	← 180 Ringing		
	ANM	+	← 200 OK INVITE		
			→ ACK		
		Comm	unication		
	REL	→	→ BYE		
	RLC	+	← 200 OK BYE		

TP607002	SUB Reference [5]: 4.7.4.5.2		Selection criteria: PICS 1/4	
TSS reference:	ISUP-SIP/SS/SUB/			
Preconditions:				
Test purpose:	The called party subaddress is mapped in the isub parameter of the To header Ensure that the called party subaddress in the ATP parameter of the received IAM is interworked in the isub parameter of the To header in the sent INVITE, if the Type of Subaddress is set to "0 0 0" "NSAP".			
SIP Parameter	INVITE:			
values:	To: sip: user par	t; isub= <subaddress>@</subaddress>	Phostportion	
ISUP Parameter values:	IAM: ATP(Called party subaddress)			
Comments:	ISUP	MGCF	SIP	
	IAM(ATP)	→	 → INVITE ← 100 Trying 	
	ACM	+	← 180 Ringing	
	ANM	←	← 200 OK INVITE	
	→ ACK			
			munication	
	REL	→	→ BYE	
	RLC	+	← 200 OK BYE	

TP607003	SUB Ref	ference [5]:	Selection criteria:			
1607003	4.7	.4.5.2	PICS 1/4			
TSS reference:	ISUP-SIP/SS/SUB/	ISUP-SIP/SS/SUB/				
Preconditions:						
Test purpose:	The isub parameter of the From header in an UPDATE is mapped in the connected subaddress in the ANM					
		baddress contained i	m header of the received UPDATE is interwork n an ATP parameter in the sent ANM, if the IAN			
		ress is set to "0 0 0"	"NSAP" (ITU-T Recommendation X.213 [i.3]			
SIP Parameter values:	UPDATE:	INVITE: supported: from-change UPDATE: From: sip: user part; isub= <subaddress>@hostportion</subaddress>				
ISUP Parameter	IAM: oFCi: connecte		•			
values:	ANM: ATP(Connecte					
Comments:	ISUP	MGC	F SIP			
	IAM	→	→ INVITE			
			🗲 100 Trying			
	ACM	+	← 180 Ringing			
			← 200 OK INVITE			
			→ ACK			
	ANM(ATP)	÷	← UPDATE			
			➔ 200 OK UPDATE			
		Cor	nmunication			
	REL	→	→ BYE			
	RLC	+	← 200 OK BYE			

TP607004	SUB Reference [5]: 4.7.4.5.2		Selection criteria: PICS 1/4	
TSS reference:	ISUP-SIP/SS/SUB/			
Preconditions:				
Test purpose:	The calling party subaddress is not mapped in the isub parameter of the From header Ensure that the calling party subaddress in the ATP parameter of the received IAM is not interworked in the isub parameter of the From header in the sent INVITE, if the Type of Subaddress is not set to "0 0 0" "NSAP".			
SIP Parameter	INVITE:			
values:	No mapping			
ISUP Parameter values:	IAM: ATP(no Calling party subaddress)			
Comments:	ISUP	MGCF	SIP	
	IAM(ATP)	→	 → INVITE ← 100 Trying 	
	ACM	+	← 180 Ringing	
	ANM	←	← 200 OK INVITE	
	→ ACK			
			nunication	
	REL	→	→ BYE	
	RLC	+	← 200 OK BYE	

TP607005	SUB Reference [5]: 4.7.4.5.2		Selection criteria: PICS 1/4		
TSS reference:	ISUP-SIP/SS/SUB/				
Preconditions:					
Test purpose:	The called party subaddress is not mapped in the isub parameter of the To header Ensure that the called party subaddress in the ATP parameter of the received IAM is not interworked in the isub parameter of the To header in the sent INVITE, if the Type of Subaddress is not set to "0 0 0" "NSAP".				
SIP Parameter values:	INVITE: No mapping				
ISUP Parameter values:	IAM: ATP(no Called p	arty subaddress)			
Comments:	ISUP	MGCF	SIP		
	IAM(ATP)	→	→ INVITE		
			← 100 Trying		
	ACM	+	← 180 Ringing		
	ANM	÷	← 200 OK INVITE		
		0	→ ACK		
			nunication		
	REL	→	→ BYE		
	RLC	+	← 200 OK BYE		

TP607006	SUB Reference [5]: 4.7.4.5.2		Selection criteria: PICS 1/3		
TSS reference:	ISUP-SIP/SS/SUB/				
Preconditions:					
Test purpose:	The calling party subaddress is mapped in the isub parameter of the P-Asserted-Identity header Ensure that the calling party subaddress in the ATP parameter of the received IAM is interworked in the isub parameter of the P-Asserted-Identity header in the sent INVITE, if the Type of Subaddress is set to "0 0 0" "NSAP".				
SIP Parameter	INVITE:				
values:	P-Asserted-Ider	ntity: sip: user part; isub=<	subaddress>@hostportion		
ISUP Parameter values:	IAM: ATP(Calling party subaddress)				
Comments:	ISUP	MGCF	SIP		
	IAM(ATP)	→	→ INVITE		
			← 100 Trying		
	ACM	+	← 180 Ringing		
	ANM	←	← 200 OK INVITE		
			→ ACK		
	Communication				
	REL	→	→ BYE		
	RLC	+	← 200 OK BYE		

TP607007		erence [5]: .4.5.2	Selection criteria: PICS 1/3		
TSS reference:	ISUP-SIP/SS/SUB/				
Preconditions:					
Test purpose:	The called party subaddress is mapped in the isub parameter of the Request-URI Ensure that the called party subaddress in the ATP parameter of the received IAM is interworked in the isub parameter of the Request URI in the sent INVITE, if the Type of Subaddress is set to "0 0 0" "NSAP".				
SIP Parameter values:	INVITE: Request-URI: sip: user part; isub= <subaddress>@hostportion</subaddress>				
ISUP Parameter values:	IAM: ATP(Called par	ty subaddress)			
Comments:	ISUP	MGCF	SIP		
	IAM(ATP)	→	→ INVITE		
			← 100 Trying		
	ACM	+	← 180 Ringing		
	ANM	+	← 200 OK INVITE		
		→ ACK			
		Comm	nunication		
	REL	→	→ BYE		
	RLC	+	← 200 OK BYE		

TP607008	SUB Reference	e [5]:	Selection criteria:			
1007000	4.7.4.5.2		PICS 1/3			
TSS reference:	ISUP-SIP/SS/SUB/	ISUP-SIP/SS/SUB/				
Preconditions:						
Test purpose:	The isub parameter of the P-Asserted-Identity header in an UPDATE is mapped in the connected subaddress in the ANM Ensure that the isub parameter in the P-Asserted-Identity header of the received 200 OK					
	(INVITE) is interworked in the Connected subaddress contained in an ATP parameter in the sent ANM, if the IAM was received with oBCi: connected line request. The Type of Subaddress is set to "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).					
SIP Parameter	200 OK (INVITE):					
values:	Not mapped					
ISUP Parameter	IAM: oFCi: connected line r	equest				
values:	ANM: ATP(Connected suba	address)				
Comments:	ISUP	MGCF	SIP			
	IAM	→	→ INVITE			
			🗲 100 Trying			
	ACM	(← 180 Ringing			
	ANM(ATP)	÷	← 200 OK INVITE → ACK			
		Comp				
	REL	→	→ BYE			
	RLC	•	 ✓ 200 OK BYE 			

5.3.2 Incoming Call Interworking from SIP to ISUP at I-MGCF

TP508001	SUB Reference [5]:	Selection criteria:		
1500001	4.7.4.5.1	PICS 1/4		
TSS reference:	SIP-ISUP/SS/SUB/			
Preconditions:				
Test purpose:	The isub parameter of the From header in an INVITE is mapped in the calling party subaddress in the IAM Ensure that the isub parameter in the From header of the received INVITE in interworked in the Calling party subaddress contained in an ATP parameter in the sent IAM. The Type of Subaddress is set to "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).			
SIP Parameter values:	INVITE: From: sip: user part; isub= <subaddress>@hostportion</subaddress>			
ISUP Parameter values:	IAM: ATP(Calling party subaddress)	· ·		
Comments:	180 Ringing 200 OK INVITE ACK BYE	← ACM ← ← ANM		

TP508002	SUB Reference [5]: 4.7.4.5.1	Ś	Selection criteria: PICS 1/4		
TSS reference:	SIP-ISUP/SS/SUB/	•			
Preconditions:					
Test purpose:	The isub parameter of the To header in an INVITE is mapped in the called party subaddress in the IAM Ensure that the isub parameter in the To header of the received INVITE is interworked in the Calling party subaddress contained in an ATP parameter in the sent IAM. The Type of Subaddress is set to "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).				
SIP Parameter	INVITE:				
values:	To: sip: user part; isub= <subaddress></subaddress>	hostportion			
ISUP Parameter values:	IAM: ATP(Called party subaddress)				
Comments:	SIP	MGCF	ISUP		
	INVITE	→ -	IAM		
	100 Trying	+			
	180 Ringing	← €	- ACM		
	200 OK INVITE	← €	ANM		
	ACK	→			
	Com	munication			
	BYE	→ -3	REL		
	200 OK BYE	~ ~	RLC		

TD509002	SUB Reference [5]:	Selection criteria:			
TP508003	4.7.4.5.1	PICS 1/4			
TSS reference:	SIP-ISUP/SS/SUB/				
Preconditions:					
Test purpose:	The connected subaddress in the ANM is mapped in the isub parameter of the P-Asserted-Identity header in the 200 OK INVITE.				
	Ensure that the connected subaddress contained in an ATP parameter of the received ANM is interworked in the isub parameter in the P-Asserted-Identity header in the sent 200 OK INVITE. The Type of Subaddress was received: "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).				
SIP Parameter values:	INVITE: supported: from-change 200 OK INVITE: P-Asserted-Identity: sip: user part; isub= <subaddress>@hostportion</subaddress>				
ISUP Parameter	IAM: oFCi: connected line request	·			
values:	ANM: ATP(Connected subaddress)				
Comments:	SIP	MGCF ISUP			
	INVITE +	→ IAM			
	100 Trying +				
	180 Ringing	← ACM			
	200 OK INVITE E ANM				
	ACK →				
	Commu	nication			
	BYE →	→ REL			
	200 OK BYE ←	← RLC			

TREADONA	SUB Reference [5]:	Selection criteria:			
TP508004	4.7.4.5.1	PICS 1/4			
TSS reference:	SIP-ISUP/SS/SUB/				
Preconditions:					
Test purpose:	The connected subaddress in the ANM is not mapped in the isub parameter of the P-Asserted-Identity header in the 200 OK INVITE Ensure that the connected subaddress contained in an ATP parameter of the received ANM is not interworked in the isub parameter in the P-Asserted-Identity in the sent 200 OK INVITE. The Type of Subaddress is not set to "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).				
SIP Parameter values:	INVITE: supported: from-change 200 OK INVITE: No mapping				
ISUP Parameter values:	IAM: oFCi: connected line request ANM: ATP(no Connected subaddress)				
Comments:	SIP INVITE 100 Trying 180 Ringing 200 OK INVITE ACK	← ACM ← ← ANM			
	200 OK BYE	► <u></u>			

TP508005	SUB Reference [5]:		Selection criteria:	
	4.7.4.5.1 PICS 1/3		PICS 1/3	
TSS reference:	SIP-ISUP/SS/SUB/			
Preconditions:				
Test purpose:	The isub parameter of the P-Asserted-Identity header in an INVITE is mapped in the calling party subaddress in the IAM Ensure that the isub parameter in the P-Asserted-Identity header of the received INVITE is interworked in the Calling party subaddress contained in an ATP parameter in the sent IAM. The Type of Subaddress is set to "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).			
SIP Parameter	INVITE:			
values:	P-Asserted-Identity: sip: user part; isub= <subaddress>@hostportion</subaddress>			
ISUP Parameter values:	IAM: ATP(Calling party subaddress)			
Comments:	SIP	MGCF	ISUP	
	INVITE -	-	► IAM	
	100 Trying			
	180 Ringing		- ACM	
	200 OK INVITE		- ANM	
	ACK			
	Communication			
	BYE -	-	REL	
	200 OK BYE	. €	RLC	

TP508006	SUB Reference [5]:		Selection criteria:	
1500000	4.7.4.5.1 PICS 1/3		PICS 1/3	
TSS reference:	SIP-ISUP/SS/SUB/			
Preconditions:				
Test purpose:	The isub parameter of the Request-URI header in an INVITE is mapped in the called party subaddress in the IAM Ensure that the isub parameter in the Request-URI header of the received INVITE is interworked in the Called party subaddress contained in an ATP parameter in the sent IAM. The Type of Subaddress is set to "0 0 0" "NSAP" (ITU-T Recommendation X.213 [i.3] and ISO/IEC 8348 [i.2]).			
SIP Parameter	INVITE:			
values:	Request-URI: sip: user part; isub= <subaddress>@hostportion</subaddress>			
ISUP Parameter values:	IAM: ATP(Called party subaddress)			
Comments:	SIP	MGCF	ISUP	
	INVITE	→	→ IAM	
	100 Trying	÷		
	180 Ringing	÷	← ACM	
	200 OK INVITE	÷	← ANM	
	ACK	→		
	Communication			
	BYE	→	→ REL	
	200 OK BYE	÷	← RLC	

History

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