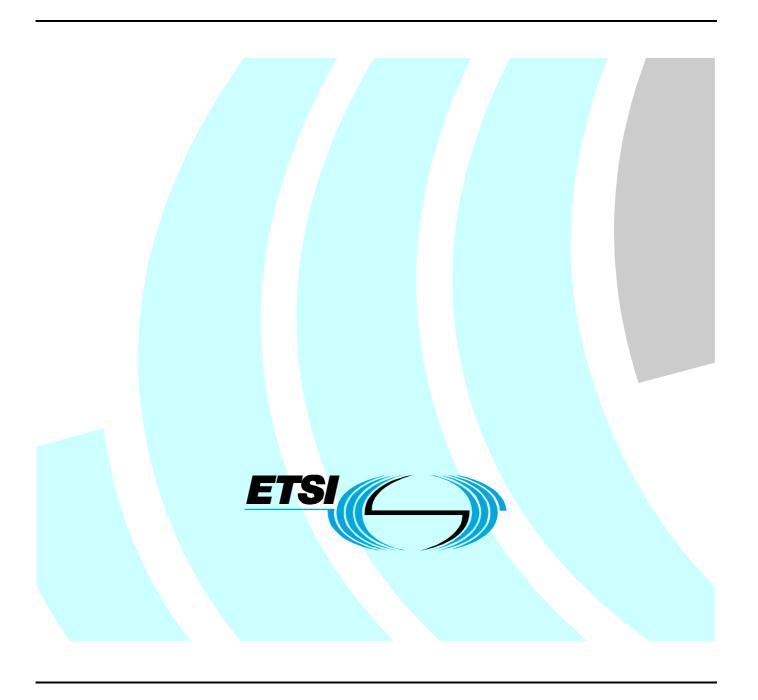
ETSITS 186 002-2 V1.1.1 (2006-02)

Technical Specification

Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN User Part (ISUP);

Part 2: Test Suite Structure and Test Purposes (TSS&TP) for Profile A and B



Reference

DTS/TISPAN-06014-1-NGN

Keywords

BICC, CTS, interworking, SIP, testing, TSS&TP

ETSI

650 Route des Lucioles F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C Association à but non lucratif enregistrée à la Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

Individual copies of the present document can be downloaded from: <u>http://www.etsi.org</u>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

http://portal.etsi.org/tb/status/status.asp

If you find errors in the present document, please send your comment to one of the following services: http://portal.etsi.org/chaircor/ETSI_support.asp

Copyright Notification

No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2006. All rights reserved.

DECTTM, **PLUGTESTS**TM and **UMTS**TM are Trade Marks of ETSI registered for the benefit of its Members. **TIPHON**TM and the **TIPHON logo** are Trade Marks currently being registered by ETSI for the benefit of its Members. **3GPP**TM is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

Contents

Intelle	ectual Property Rights	5
Forev	vord	5
1	Scope	6
2	References	
	Definitions and abbreviations.	
3 3.1	Definitions and aboreviations	
3.2	Abbreviations	
4	Implementation under test and test methods	
 4.1	Identification of the system and implementation under test	
4.1.1	Profile A	
4.1.2	Profile B	
5	Test Suite Structure (TSS)	10
5.1	Interworking from SIP to ISUP (outgoing call)	
5.2	Interworking from ISUP to SIP (incoming call)	
5.3	Supplementary Services - Interworking from SIP to ISUP (outgoing call)	
5.4	Supplementary Services - Interworking from ISUP to SIP (incoming call)	
6	Test purposes (TP)	12
6.1	Introduction	
6.1.1	Test purpose (TP) naming convention	
6.1.2	Source of test purpose definition	
6.1.3	Test purpose structure	
6.2	Test purposes for the basic call	
6.2.1	Interworking from SIP to ISUP (Outgoing Call)	
6.2.1.1		
6.2.1.2		
6.2.1.3		
6.2.1.4	β · · · · · · · · · · · · · · · · · · ·	37
6.2.1.5		
6.2.1.6		
6.2.1.7		
6.2.1.8		
6.2.1.9		
6.2.1.1		63
6.2.1.1		<i></i>
C 2 1 1	blocking message (CGB) with the indication hardware failure oriented	
6.2.1.1 6.2.1.1		
6.2.1.1 6.2.2	Interworking from ISUP to SIP	
6.2.2.1		
6.2.2.2		
6.2.2.3		
6.2.2.4		
6.2.2.5	č č	
6.2.2.6	č č	
6.2.2.7		
6.2.2.8		
6.2.2.9	Autonomous release at O-IWU	170
6.2.2.1		
	blocking message (CGB) with the indication hardware failure oriented	
6.2.2.1		
6.2.2.1		
6.2.2.1	Receipt of Circuit group blocking message (CGB)	183

6.3	Test purposes for the Supplementary Services	189
6.3.1	Interworking from SIP to ISUP (Outgoing Call)	
6.3.1.1	Calling Line Identification (CLI)	
6.3.1.2	Call Hold (HOLD)	
6.3.1.3	Terminal portability (TP)	
6.3.1.4	Conference calling (CONF)	214
6.3.1.5	Three Party service (3PTY)	
6.3.1.6	Connected line identification (COL)	
6.3.1.7	Malicious call identification MCID	221
6.3.1.8	Sub-addressing (SUB)	222
6.3.1.9	Call diversion (CDIV)	
6.3.1.10	Call waiting (CW)	224
6.3.1.11	User to user signalling (UUS)	225
6.3.1.12	Explicit call transfer (ECT)	226
6.3.1.13	Completion of Call to Busy Subscriber (CCBS)	227
6.3.1.14	Completion of Calls on No reply (CCNR)	228
6.3.1.15	Anonymous Call Rejection (ACR)	228
6.3.2	Interworking from ISUP to SIP (Outgoing Call)	
6.3.2.1	Calling Line Identification (CLI)	229
6.3.2.2	Call Hold (HOLD)	240
6.3.2.3	Terminal portability (TP)	
6.3.2.4	Conference calling (CONF)	243
6.3.2.5	Three Party service (3PTY)	246
6.3.2.6	Connected line identification (COL)	247
6.3.2.7	Sub-addressing (SUB)	248
6.3.2.8	Closed user group (CUG)	248
6.3.2.9	Call diversion (CDIV)	249
6.3.2.10	User to user signalling (UUS)	250
6.3.2.11	Explicit call transfer (ECT)	257
Annex A	A (informative): Bibliography	258
History .		260
•		

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://webapp.etsi.org/IPR/home.asp).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

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 Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN User Part (ISUP), as identified below:

- Part 1: "Protocol Implementation Conformance Statement (PICS)";
- Part 2: "Test Suite Structure and Test Purposes (TSS&TP) for Profile A and B";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) for Profile C";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) for Profile A and B":
- Part 5: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) for Profile C".

1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for the Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol or ISDN User Part for the **Profile A and Profile B** described in the ITU-T Recommendation Q.1912.5 [1] and EN 383 001 [2].

A further part of the present document specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on the present document.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- 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.
- For a non-specific reference, the latest version applies.

Codecs".

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

[1]	ITU-T Recommendation Q.1912.5: "Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control protocol or ISDN User Part".
[2]	ETSI EN 383 001: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control (BICC) Protocol or ISDN User Part (ISUP) [ITU-T Recommendation Q.1912.5, modified]".
[3]	ITU-T Recommendations Q.761 to Q.764 (2000): "Signalling System No.7 ISDN User Part (ISUP)".
[4]	ITU-T Recommendations Q.1902.1 to Q.1902.4 (2001): "Bearer Independent Call Control Protocol (BICC)".
[5]	ITU-T Recommendation Q.850 (1998): "Usage of cause and location in the Digital Subscriber Signalling System No. 1 and the Signalling System No. 7 ISDN User Part".
[6]	IETF RFC 3261 (2002): "SIP: Session Initiation Protocol".
[7]	IETF RFC 3312 (2002): "Integration of Resource Management and Session Initiation Protocol (SIP)".
[8]	ISO/IEC 9646-1 (1994): "Conformance testing methodology and framework - Part 1: General Concepts".
[9]	ISO/IEC 9646-3 (1992): "Conformance testing methodology and framework - Part 3: The Tree and Tabular Combined Notation".
[10]	ISO/IEC 9646-7 (1994): "Conformance testing methodology and framework - Part 7: Implementation Conformance Statement".
[11]	ITU-T Recommendation E.164: "The international public telecommunication numbering plan".
[12]	IETF RFC 3267: "Real-Time Transport Protocol (RTP) Payload Format and File Storage Format for the Adaptive Multi-Rate (AMR) and Adaptive Multi-Rate Wideband (AMR-WB) Audio

[13] ITU-T Recommendation Q.939: "Typical DSS 1 service indicator codings for ISDN telecommunications services".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in SIP / ISUP interworking reference specification, in ISO/IEC 9646-1 [8], in ISO/IEC 9646-3 [9], in ISO/IEC 9646-7 [10] and the following apply:

Abstract Test Case (ATC): complete and independent specification of the actions required to achieve a specific test purpose, defined at the level of abstraction of a particular Abstract Test Method, starting in a stable testing state and ending in a stable testing state

Abstract Test Method (ATM): description of how an SUT is to be tested, given at an appropriate level of abstraction to make the description independent of any particular realization of a Means of Testing, but with enough detail to enable abstract test cases to be specified for this method

Abstract Test Suite (ATS): test suite composed of abstract test cases

Implementation Under Test (IUT): implementation of one or more OSI protocols in an adjacent user/provider relationship, being part of a real open system which is to be studied by testing

Means of Testing (MOT): combination of equipment and procedures that can perform the derivation, selection, parameterization and execution of test cases, in conformance with a reference standardized ATS, and can produce a conformance log

PICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes the PICS

PIXIT proforma: document, in the form of a questionnaire, which when completed for the SUT becomes the PIXIT

Point of Control and Observation (PCO): point within a testing environment where the occurrence of test events is to be controlled and observed, as defined in an Abstract Test Method

Pre-test condition: setting or state in the SUT which cannot be achieved by providing stimulus from the test environment

Protocol Implementation Conformance Statement (PICS): statement made by the supplier of a protocol claimed to conform to a given specification, stating which capabilities have been implemented

Protocol Implementation eXtra Information for Testing (PIXIT): statement made by a supplier or implementor of an SUT (protocol) which contains or references all of the information related to the SUT and its testing environment, which will enable the test laboratory to run an appropriate test suite against the SUT

SIP number: number conforming to the numbering and structure specified in ITU-T Recommendation E.164 [11]

System Under Test (SUT): real open system in which the SUT resides

User: access protocol entity at the User side of the user-network interface where a T reference point or coincident S and T reference point applies

3.2 Abbreviations

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

ATC Abstract Test Case
ATM Abstract Test Method
ATP Access Transport Parameter

ATS Abstract Test Suite

BCI Backward Call Indicators

CPS Calling Party's Category

DSS1 Digital Subscriber System No. 1

ECL Forward Call Indicators

FCI Forward Call Indicators HLC High Layer Compatibility

ISDN Integrated Services Digital Network

ISUP ISDN User Part

IUT Implementation Under Test

MOT Means Of Testing

NCI Nature of Connection Indicators
OBCI Optional Backward Call Indicators

PICS Protocol Implementation Conformance Statement
PIXIT Protocol Implementation eXtra Information for Testing

SUT System Under Test

TMR Transmission Medium Requirement

TP Test Purpose
TSS Test Suite Structure

TTCN Tree and Tabular Combined Notation

NOTE: The ISUP message acronyms can be found in table 2/ ITU-T Rec Q.762 [3].

4 Implementation under test and test methods

4.1 Identification of the system and implementation under test

4.1.1 Profile A

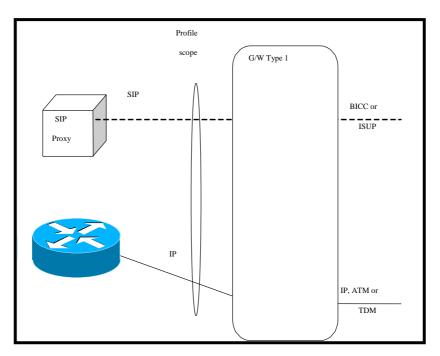


Figure 1: Profile Scope for SIP Interworking with BICC/ISUP with a Type 1 Gateway

4.1.2 Profile B

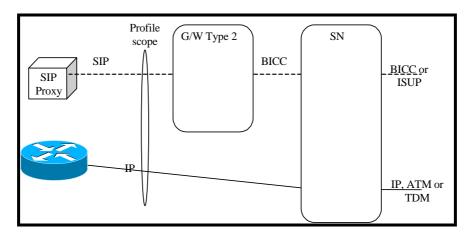


Figure 2: Profile Scope for SIP Interworking with BICC/ISUP with a Type 2 Gateway

5 Test Suite Structure (TSS)

The Test Suite Structure is in close alignment with ITU-T Rec Q.1912.5 [1] and EN 383 001 [2].

5.1 Interworking from SIP to ISUP (outgoing call)

SIP –ISUP Basic call		
	Sending of the Initial address message (IAM)	101xxx
	Sending of the Subsequent address message (SAM)	102xxx
	Sending of COT	103xxx
	Receipt of the Address complete message (ACM)	104xxx
	Receipt of the Call progress message (CPG)	105xxx
	Receipt of the answer message (ANM)	106xxx
	Receipt of the Connect message (CON)	107xxx
	Receipt of the Release message (REL)	108xxx
	Receipt of the BYE, CANCEL message / sending of a REL message	109xxx
	Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented	1010xxx
	Receipt of the SUSPEND Message (SUS)	1011xxx
	Receipt of the RESUME Message (RES)	1012xxx

Figure 3: Basic call Test suite structure for interworking between SIP to ISUP (outgoing call)

5.2 Interworking from ISUP to SIP (incoming call)

ISUP-SIP Basic call		
	Sending of the INVITE message	301xxx
	Receipt of the Subsequent address message (SAM)	302xxx
	Sending of the Address complete message (ACM)	303xxx
	Sending of the Call progress message (CPG)	304xxx
	Sending of the answer message (ANM)	305xxx
	Sending of the Connect message (CON)	306xxx
	Receipt of the Release message (REL)	307xxx
	Sending of the Release Message (REL)	308xxx
	Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented	309xxx

Figure 4: Basic call Test suite structure for interworking between ISUP to SIP (incoming call)

5.3 Supplementary Services - Interworking from SIP to ISUP (outgoing call)

SIP-ISUP Supplementary	Services		
	Calling Line Identification (CLI) 501xxx		
	Call Hold (HOLD)	502xxx	
	Terminal Portability (TP)	503xxx	
	Conference Calling (CONF)	504xxx	
	Three-Party (3PTY)	505xxx	
	Connected Line Identification (COL)	506xxx	
	Malicious call identification (MCID)	507xxx	
	Subaddressing (SUB)	508xxx	
	Call Diversion (CDIV)	509xxx	
	Call Waiting (CW)	510xxx	
	User to User Signalling (UUS)	511xxx	
	Explicit Call transfer (ECT)	512xxx	
	Completion of Call to Busy Subscriber (CCBS)	513xxx	
	Completion of Calls on No reply (CCNR)	514xxx	
	Anonymous Call Rejection (ACR)	515xxx	

Figure 5: Supplementary Services Test suite structure for interworking between SIP to ISUP (outgoing call)

5.4 Supplementary Services - Interworking from ISUP to SIP (incoming call)

ISUP-SIP		
	Calling Line Identification (CLI)	601xxx
	Call Hold (HOLD)	602xxx
	Terminal Portability (TP)	603xxx
	Conference Calling (CONF)	604xxx
	Three-Party (3PTY)	605xxx
	Connected Line Identification (COL)	606xxx
	Subaddressing (SUB)	607xxx
	Closed User Group (CUG)	608xxx
	Call Diversion (CDIV)	609xxx
	Call Waiting (CW)	FFS
	User to User Signalling (UUS)	610xxx
	Explicit Call transfer (ECT)	611xxx
	Completion of Calls on No reply (CCNR)	FFS
	Completion of Call to Busy Subscriber (CCBS)	FFS

Figure 6: Supplementary Services Test suite structure for interworking between ISUP to SIP (outgoing call)

6 Test purposes (TP)

6.1 Introduction

For each test requirement a Test Purpose (TP) is defined.

6.1.1 Test purpose (TP) naming convention

For each test requirement a Test Purpose (TP) is defined.

All test purposes belong to the main group ISUP_SIP_Interworking. Groups are organized according to the test suite structure (TSS). Each test purpose is presented in a separate table. The first row of the table contains the following items:

TP Identifier of the test purpose;

SIP reference to the requirement in the DSS1 layer 3 Recommendation, which led to the TP;

ISUP reference the reference to the requirement in the interworking specification and the requirement in the

SIP-UP Recommendation, which led to the TP.

6.1.2 Source of test purpose definition

The test purposes have been developed based on ITU-T Rec Q.1912.5 [1] and EN 383 001 [2].

6.1.3 Test purpose structure

The test purpose structure is according to the test suite structure (TSS).

6.2 Test purposes for the basic call

6.2.1 Interworking from SIP to ISUP (Outgoing Call)

6.2.1.1 Sending of the Initial Address Message (IAM)

TP101001	SIP reference:	RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.1 (1, a)
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Address message (IAM)/		
SIP selection criteria:	PICS 4/6 AND NOT PICS 4/7		
ISUP selection criteria:			
Test purpose:	 Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, without an SDP offer and reliable provisional responses are supported: the SUT shall immediately send an SDP offer including a media description with A-law (PCMA), but not μ-law (PCMU) within a 183 Session Progress message; sends a IAM message upon receipt of the SDP answer with media description. 		
SIP Parameter values:	SIP: 183 SDP1; F	PRACK SDP2	
ISUP Parameter values:			
Comments:	SIP INVITE 183 Session Progress	SUT →	ISUP/BICC
	PRACK 200 OK PRACK	→ ←	→ IAM

TP101002	SIP reference: RFC 3261 [6]	ISU	P reference:
		ITU-T Rec Q.191	2.5 [1], clause 6.1.1 (1,i,b)
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial	Address message (IA	M)/
SIP selection	PICS 4/6 AND PICS 4/7		
criteria:			
ISUP selection	PICS 1/4 AND NOT PICS 1/6 AND PICS 4	/1	
criteria:			
Test purpose:	Ensure that if the SUT upon receipt of the f	irst INVITE with suffic	cient digits, without an
	SDP offer and reliable provisional respons	es are supported:	
	 the SUT shall immediately send a 	n SDP offer including	a media description with
	A-law (PCMA), but not μ-law (PCI	/IU) within a 183 Ses	sion Progress message;
	sends a IAM message whereby the Continuity indicator of the Nature of		
	Connection Indicators parameter		
SIP Parameter	SIP: 183 SDP1; PRACK SDP2; UPDATE SDP3; 200 OK UPDATE SDP 4		
values:			
ISUP Parameter	IAM; Continuity Indicator: COT to be expected		
values:	COT; Continuity Indicator: continuity		
Comments:	SIP SU	-	BICC
	INVITE →	→	IAM
	183 Session Progress ←		
	PRACK →		
	200 OK PRACK ←		
	UPDATE(SDP) →	→	COT

TP101003	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.1.1 (1,i,b)	
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Ad	ldress message (IAM)/	
SIP selection	PICS 4/6 AND PICS 4/7		
criteria:			
ISUP selection	PICS 1/5 AND NOT PICS 1/6 AND PICS 4/1		
criteria:			
Test purpose:	Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, without an SDP offer and reliable provisional responses are supported:		
	 the SUT shall immediately send an SDP offer including a media description with A-law (PCMA), but not µ-law (PCMU) within a 183 Session Progress message; sends a IAM message whereby the Continuity check indicator in the Nature of Connection Indicators parameter is set to "continuity check required on this circuit". 		
SIP Parameter values:	SIP: 183 SDP1; PRACK SDP2; UPDATE SDP3; 200 OK UPDATE SDP 4		
ISUP Parameter	IAM; Continuity Indicator: continuity check required on this circuit		
values:	COT; Continuity Indicator: continuity check successful		
Comments:	SIP SUT	ISUP	
	INVITE →	IAM	
	183 Session Progress ←		
	PRACK ->		
	200 OK PRACK ←	• • • • • • • • • • • • • • • • • • • •	
	UPDATE(SDP) →	→ COT	

TP101004	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.1.1 (1,i,b)	
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Add	dress message (IAM)/	
SIP selection	PICS 4/6 AND PICS 4/7		
criteria:			
ISUP selection	NOT PICS 1/6 AND NOT PICS 4/1		
criteria:			
Test purpose:	Ensure that if the SUT upon receipt of the first	INVITE with sufficient digits, without an	
	SDP offer and reliable provisional responses	are supported:	
		SDP offer including a media description with	
	A-law (PCMA), but not μ-law (PCMU) within a 183 Session Progress message;		
	sending of the IAM shall be deferred until all preconditions have been met.		
SIP Parameter	SIP: 183 SDP1; PRACK SDP2; UPDATE SDP3; 200 OK UPDATE SDP 4		
values:	00 051 1, 1 10 10 10 2, 01 5/112 051 0, 200 010 01 5/112 051 1		
ISUP Parameter			
values:			
Comments:	SIP SUT	ISUP/BICC	
	INVITE →		
	183 Session Progress ←		
	PRACK		
	200 OK PRACK		
	UPDATE	→ IAM	
	200 OK UPDATE		

TP101005	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.1 (1,ii,a)	
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Address message (IAM)/		
SIP selection criteria:	PICS 4/7		
ISUP selection criteria:	PICS 1/6		
Test purpose:	Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, without an SDP offer and reliable provisional responses are supported: the SUT shall immediately send an SDP offer including a media description with both A-law (PCMA) and µ-law (PCMU) included and µ-law (PCMU) shall take precedence over A-law (PCMA) within a 183 Session Progress message; sends a IAM message upon receipt of the SDP answer with media description.		
SIP Parameter values:	SIP: 183 SDP1; PRACK SDP2		
ISUP Parameter values:	IAM;		
Comments:	SIP SUT INVITE 183 Session Progress PRACK	T ISUP → IAM	
	200 OK PRACK →		

TP101006	SIP reference: RFC 3261 [6]	IS	UP reference:	
		ITU-T Rec Q.19	12.5 [1], clause 6.1.1 (1,ii,b)	
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial A	ddress message (IAM)/	
SIP selection	PICS 4/6 AND PICS 4/7			
criteria:				
ISUP selection	PICS 1/4 AND PICS 1/6 AND PICS 4/1			
criteria:				
Test purpose:	Ensure that if the SUT upon receipt of the file		fficient digits, without an	
	SDP offer and reliable provisional response	s are supported:		
	 the SUT shall immediately send ar 			
	both A-law (PCMA) and μ-law (PC			
	precedence over A-law (PCMA) wi	thin a 183 Sessior	n Progress message;	
	sends a IAM message whereby the			
	Connection Indicators parameter s	hall be set to "CO	I to be expected".	
CID Doromotor	CID: 402 CDD4: DDACK CDD2			
SIP Parameter values:	SIP: 183 SDP1; PRACK SDP2			
	IAM Continuity Indicators COT to be a superstant	al.		
ISUP Parameter	IAM Continuity Indicator: COT to be expected	ea;		
values:	COT Continuity Indicator: continuity;		5100	
Comments:	SIP SUT	_	BICC	
	INVITE -	→	IAM	
	183 Session Progress			
	PRACK →			
	200 OK PRACK ←	_	007	
	UPDATE →	<u>→</u>	СОТ	

TP101007	SIP reference: RFC 3261 [6]	ISUP reference:				
11 101007	On Telefonds. IXI & 0201 [0]	ITU-T Rec Q.1912.5 [1], clause 6.1.1 (1,ii,b)				
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial A					
SIP selection	PICS 4/6 AND PICS 4/7)				
criteria:						
ISUP selection	PICS 1/5 AND PICS 1/6 AND PICS 4/1					
criteria:						
Test purpose:		rst INVITE with sufficient digits, without an				
	SDP offer and reliable provisional response	es are supported:				
		n SDP offer including a media description with				
		both A-law (PCMA) and μ-law (PCMU) included and μ-law (PCMU) shall take				
	precedence over A-law (PCMA) within a 183 Session Progress message;					
	sends a IAM message whereby the Continuity check indicator in the Nature of					
	Connection Indicators parameter is set to "continuity check required on this					
	circuit".					
SIP Parameter	SIP: 183 SDP1; PRACK SDP2					
values:	SIP. 103 SUP1, PRACK SUP2					
ISUP Parameter	IAM Continuity Indicator: continuity chack re	IAM Continuity Indicatory continuity shoot year, including this circuity				
values:	IAM Continuity Indicator: continuity check required on this circuit; COT Continuity Indicator: continuity check successful;					
Comments:	SIP SUT ISUP					
Comments.	INVITE →	→ IAM				
	183 Session Progress ←	IAIVI				
	PRACK					
	200 OK PRACK ←					
	UPDATE →	→ COT				

TP101008	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.1.1 (1,ii,b)	
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Ac	ldress message (IAM)/	
SIP selection	PICS 4/6 AND PICS 4/7		
criteria:			
ISUP selection	PICS 1/6 AND NOT PICS 4/1		
criteria:			
Test purpose:	Ensure that if the SUT upon receipt of the first		
	SDP offer and reliable provisional responses	s are supported:	
		SDP offer including a media description with	
		IU) included and μ-law (PCMU) shall take	
	precedence over A-law (PCMA) within a 183 Session Progress message.		
	sending of the IAM shall be deferred	d until all preconditions have been met.	
SIP Parameter	CID: 400 CDD4: DDACK CDD0		
values:	SIP: 183 SDP1; PRACK SDP2		
ISUP Parameter	LANA		
values:	IAM;		
	CID	ICLID	
Comments:	SIP SUT	ISUP	
	INVITE ->		
	183 Session Progress		
	PRACK →		
	200 OK PRACK ←		
	UPDATE →	- 1AM	
	200 OK UPDATE ←	→ IAM	

TP101009	SIP reference	: RFC 3261 [6]		eference:	
			ITU-T Rec Q.1912.5	[1], clause 6.1.2 (i,1)	
TSS reference:	SIP-ISUP/Basic call/ S	Sending of the Initial Add	dress message (IAM)/		
SIP selection	NOT PICS 4/6				
criteria:					
ISUP selection	PICS 1/6				
criteria:					
Test purpose:	Ensure that if the SUT	upon receipt of the first	INVITE with sufficient	digits, with an SDP	
	offer.				
		• the SUT shall delete μ-law (PCMU), if present, from the media description that it			
	will send bad	will send back in the SDP answer;			
	 the SUT sha 	Il immediately send out	the IAM.		
CID Donomotor	OID INIVITE: A	TD/A)/D 0 000 OK: A!	- DTD/A\/D 0:		
SIP Parameter	SIP INVITE: Audio RT	P/AVP 0, 200 OK: Audi	0 R 1 P/A V P 8;		
values:	IAMALIOL: A less en els	1			
ISUP Parameter	IAM USI: A-law or abs	sent;			
values:	OID			101.15	
Comments:	SIP	SUT	_	ISUP	
	INVITE	→	→	IAM	
	180 Ringing	←	←	ACM	
	200 OK INVITE	←	←	ANM	
		Conversation	Conversation		
	BYE	→	→	REL	
	200 OK BYE	←	←	RLC	

TP101010	SIP reference:	RFC 3261 [6]		P reference: 2.5 [1], clause 6.1.2 (i,2ai)
TSS reference:	SIP-ISUP/Basic call/ Se	ending of the Initial Ad	dress message (IAN	Λ)/
SIP selection	PICS 4/6 AND PICS 4/7		•	,
criteria:				
ISUP selection	PICS 1/4 AND NOT PIC	CS 1/6 AND PICS 4/1		
criteria:				
Test purpose:	Ensure that if the SUT offer.	upon receipt of the fire	st INVITE with suffici	ent digits, with an SDP
	will send back the IAM shall I	in the SDP answer;	ely on the BICC side	media description that it with the coding of the expected".
SIP Parameter values:	SIP INVITE: Audio R	TP/AVP 0, 200 OK: A	udio RTP/AVP 8;	
ISUP Parameter	IAM Continuity Indicato	r: COT to be expecte	d, USI: A-law or abse	ent;
values:	COT; Continuity Indicat			
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	183 Session Progress	(
	PRACK	→		
	200 OK PRACK UPDATE	← →	→	COT
	200 OK UPDATE		7	COT
	180 Ringing	((ACM
	200 OK INVITE	÷	È	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

TP101011	SIP reference: F	RFC 3261 [6]		reference:
<i>(</i>		P 64 1 14 1 A		5 [1], clause 6.1.2 (i,2aii)
TSS reference:	SIP-ISUP/Basic call/ Se	Ţ.	ldress message (IAN	1)/
SIP selection	PICS 4/6 AND PICS 4/7	7		
criteria:				
ISUP selection	PICS 1/5 AND NOT PIC	CS 1/6 AND PICS 4/1		
criteria:	5 11 11 11 11 11		. IN IN COURT	
Test purpose:	Ensure that if the SUT unoffer.	upon receipt of the firs	st INVITE with suffici	ent digits, with an SDP
	will send back the IAM shall be	in the SDP answer;	ely on the ISUP side	media description that it with the the Continuity
SIP Parameter values:	SIP INVITE: Audio RT	P/AVP 0, 200 OK: Au	ıdio RTP/AVP 8;	
ISUP Parameter	IAM Continuity Indicator	r: continuity check re	quired on this circuit	, USI: A-law or absent
values:	COT Continuity Indicate	or: continuity check su	uccessful;	
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	183 Session Progress	←		
	PRACK	→		
	200 OK PRACK	←	_	
	UPDATE	→	→	COT
	200 OK UPDATE	(-	1011
	180 Ringing	((ACM
	200 OK INVITE	Conversation	←	ANM
	DVE	Conversation	Conversatio	
	BYE)	→	REL
	200 OK BYE	+	+	RLC

TP101012	SIP reference:	RFC 3261 [6]		UP reference: 12.5 [1], clause 6.1.2 (i,2b)
TSS reference:	SIP-ISUP/Basic call/ Se	anding of the Initial Add		
SIP selection	PICS 4/6 AND PICS 4/7		iless illessage (il	Alvi)/
criteria:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
ISUP selection criteria:	NOT PICS 1/6 AND PIC	CS 4/1		
Test purpose:	Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, with an SDP offer.			
	will send back	delete µ-law (PCMU), in the SDP answer; eferred until all precond	•	ne media description that it met.
SIP Parameter	SIP INVITE: Audio RTP/AVP 0, 200 OK: Audio RTP/AVP 8			
values:				
ISUP Parameter values:	IAM USI: A-law or abse	nt		
Comments:	SIP INVITE 183 session Progress PRACK 200 OK PRACK	SUT		ISUP
	UPDATE 200 OK UPDATE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversa	tion
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

TP101013	SIP reference	ce: RFC 3261 [6]		P reference:	
	ITU-T Rec Q.1912.5 [1], clause 6.1.2 (i,1)				
TSS reference:	SIP-ISUP/Basic call	Sending of the Initial Add	dress message (IAN	/)/	
SIP selection	NOT 4/7				
criteria:					
ISUP selection	PICS 1/6				
criteria:					
Test purpose:		JT upon receipt of the first	INVITE with suffici	ent digits, with an SDP	
	offer:				
		nall delete A-law (PCMA) i	,	, , ,	
	-	ent in the offer of the media	a description, that it	t will send it back in the	
	SDP answ	SDP answer;			
	• the SUT sh	nall immediately send out t	the IAM.		
SIP Parameter	SIP INVITE: Aud	dio RTP/AVP 0 8, 200 OK	: Audio RTP/AVP 0	complete called party	
values:		rmation		, complete camea party	
ISUP Parameter	IAM USI: µ-law				
values:	'				
Comments:	SIP	SUT		ISUP	
	INVITE	→	→	IAM	
	180 Ringing	←	←	ACM	
	200 OK INVITE	←	←	ANM	
		Conversation	Conversation	on	
	BYE	→	→	REL	
	200 OK BYE	+	+	RLC	

TP101014	SIP reference:	RFC 3261 [6]		P reference: 2.5 [1], clause 6.1.2 (i,2ai)
TSS reference:				
SIP selection criteria:	PICS 4/6 AND PICS 4/7	7		
ISUP selection criteria:	PICS 1/4 AND PICS 1/6	6 AND PICS 4/1		
Test purpose:	Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, with an SDP offer:			
	 the SUT shall delete A-law (PCMA) if both A-law (PCMA) and µ-law (PCMU) were present in the offer of the media description, that it will send it back in the SDP answer; the IAM shall be sent out immediately on the BICC side with the coding of the Nature of Connection Indicators parameter: "COT to be expected". 			
SIP Parameter values:	SIP INVITE: Audio F	RTP/AVP 0 8, 200 OK	: Audio RTP/AVP 0	
ISUP Parameter values:	IAM USI: μ-law			
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	183 Session Progress	←		
	PRACK	→		
	200 OK PRACK	(_	227
	UPDATE	→	→	COT
	200 OK UPDATE 180 Ringing	←	←	ACM
	200 OK INVITE	-	-	ANM
	200 OK IIIVIIL	Conversation	Conversat	
	BYE	→	→	REL
	200 OK BYE	-	-	RLC

TP101015	SIP reference: I	RFC 3261 [6]		P reference: 2.5 [1], clause 6.1.2 (i,2aii)
TSS reference:	SIP-ISUP/Basic call/ Se	ending of the Initial Ad	ddress message (IAI	M)/
SIP selection criteria:	PICS 4/6 AND PICS 4/7		-	
ISUP selection criteria:	PICS 1/5 AND PICS 1/6	6 AND PICS 4/1		
Test purpose:	Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, with an SDP offer:			
	 the SUT shall delete A-law (PCMA) if both A-law (PCMA) and µ-law (PCMU) were present in the offer of the media description, that it will send it back in the SDP answer; the IAM shall be sent out immediately on the ISUP side with the the Continuity check indicator "continuity check required on this circuit". 			
SIP Parameter values:	SIP INVITE: Audio F	RTP/AVP 0 8, 200 OF	K: Audio RTP/AVP 0	
ISUP Parameter values:	IAM USI: μ-law			
Comments:	SIP INVITE 183 Session Progress PRACK 200 OK PRACK	SUT + + + + + + + + + + + + + + + + + + +	→	ISUP IAM
	UPDATE 200 OK UPDATE	→ ←	→	СОТ
	180 Ringing	←	←	ACM
	200 OK INVITE	← Conversation	← Conversati	ANM on
	BYE	→	→	REL
	200 OK BYE	+	←	RLC

TP101016	SIP reference:	RFC 3261 [6]	ISU	IP reference:
			ITU-T Rec Q.191	2.5 [1], clause 6.1.2 (i,2b)
TSS reference:	SIP-ISUP/Basic call/ S	ending of the Initial Add		
SIP selection	PICS 4/6 AND PICS 4/	7		·
criteria:				
ISUP selection	PICS 1/6 AND PICS 4/	1		
criteria:				
Test purpose:	Ensure that if the SUT upon receipt of the first INVITE with sufficient digits, with an SDP offer. • the SUT shall delete A-law (PCMA) if both A-law (PCMA) and μ-law (PCMU)			
	were present in the offer of the media description, that it will send it back in the SDP answer; the IAM shall be deferred until all preconditions have been met.			
SIP Parameter	SIP INVITE: Audio RTP/AVP 0 8, 200 OK: Audio RTP/AVP 0;			
values:				
ISUP Parameter	IAM USI: μ-law;			
values:				
Comments:	SIP	SUT		ISUP
	INVITE PRACK	→		
	200 OK PRACK	→		
	UPDATE	→	→	IAM
	200 OK UPDATE	-	7	IAIVI
	180 Ringing	÷	←	ACM
	200 OK INVITE	÷	È	ANM
		Conversation	Conversa	
	BYE	→	→	REL
	200 OK BYE	←	←	RLC

TP1010017_VA_1	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1] clauses 6.1.3.1, 6.1.3.2, 6.1.3.3 and 6.1.3.4		
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Ad			
SIP selection	• PICS 1/2	, , , , , , , , , , , , , , , , , , ,		
criteria:				
ISUP selection	NOT PICS 1/9			
criteria:	Ensure that the SUT on receipt of an INVITE			
Test purpose:	Ensure that the SOT on receipt of an invite	message:		
		Calling party's category is set to "Ordinary onnection Indicators (NCI) encoded as		
	Satellite indicator set to: "One satell indicator set to: NCI_CONT_CHECK	ite circuit in the connection" Continuity check		
	Echo control device indicator set to:	NCI_ECHO_CTRL_IND		
		rameter are determined based on analysis of internal states or configuration) at the I-IWU.		
SIP Parameter				
values:				
ISUP Parameter	Nature of Connection Indicators (NCI):			
values:	Satellite indicator set to: "One satellite circuit in the connection" Continuity check indicator set to: NCI_CONT_CHECK (PIXIT)			
	Echo control device indicator set to: NCI_ECHO_CTRL_IND (PIXIT)			
		,		
	Forward Call Indicators (FCI): Interworking indicator: FCI_INTERW_I (PIXIT	_,		
	INTERWORKING INDICATOR: FCI_INTERW_I (FIXIT) ISDN user part indicator: FCI_USER_PART _I (PIXIT)			
	ISDN access indicator: FCI_ACESS_IND (PIXIT)			
	ISDN user part preference indicator: FCI_ISDN_USER_PART_I (PIXIT)			
	National/international call indicator set to FCI End-to-end method available set to FCI EE			
	End-to-End information indicator set to FCI_E			
	SCCP method indicator set to FCI_SCCP_IN	D (PIXIT)		
Comments:	SIP SUT	ISUP		
	INVITE →	→ IAM		
	180 Ringing ←	← ACM		
	200 OK INVITE ← Conversation	← ANM Conversation		
	BYE Conversation	REL		
	200 OK BYE ←	← RLC		

TP1010017_VA_2	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1],
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Ad	clauses 6.1.3.1, 6.1.3.2, 6.1.3.3 and 6.1.3.4
SIP selection	PICS 1/2	uress message (IAIVI)/
criteria:	1 100 1/2	
ISUP selection	PICS 1/9	
criteria:		
Test purpose:	Ensure that the SUT on receipt of an INVITE	message:
		Calling party's category is set to "Ordinary onnection Indicators (NCI) encoded as
	- Satellite indicator set to: "One check indicator set to: NCI_CC	satellite circuit in the connection" Continuity DNT_CHECK.
	- Echo control device indicator s	set to: NCI_ECHO_CTRL_IND.
		rking encounterd ser part/BICC not used all the way or: ISDN user part/BICC not required all the
SIP Parameter values:		
ISUP Parameter values:	Nature of Connection Indicators (NCI): Satellite indicator set to: "One satellite circ Continuity check indicator set to: NCI_CO Echo control device indicator set to: NCI_	NT_CHECK (PIXIT)
	Forward Call Indicators (FCI): Interworking indicator: interworking encours ISDN user part indicator: ISDN user part/ISDN access indicator: originating access ISDN user part preference indicator: ISDN National/international call indicator set to End-to-end method available set to FCI_E End-to-End information indicator set to FCSCCP method indicator set to FCI_SCCP	BICC not used all the way non-ISDN I user part/BICC not required all the way FCI_NI_CALL_IND (PIXIT) EE_METHOD (PIXIT) CI_EE_INFO_IND (PIXIT)
Comments:	SIP SUT	ISUP
	INVITE -	→ IAM
	180 Ringing ←	← ACM
	200 OK INVITE ←	← ANM
	Conversation BYE →	Conversation → REL
	200 OK BYE	← RLC
	TOO SILD I	TILO

TP1010018	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1],			
		clauses 6.1.3.1, 6.1.3.2, 6.1.3.3 and 6.1.3.4			
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Ad	dress message (IAM)/			
SIP selection criteria:	• PICS 1/1				
ISUP selection criteria:					
Test purpose:	Ensure that the SUT on receipt of an INVITE	message:			
		Calling party's category is set to "Ordinary onnection Indicators (NCI) encoded as			
	- Satellite indicator set to: No sa check indicator set to: NCI_CC	tellite circuit in the connection"Continuity DNT_CHECK.			
	- Echo control device indicator s included".	set to: "Outgoing echo control device			
		rking encounterd ser part/BICC not used all the way or: ISDN user part/BICC not required all the			
SIP Parameter values:					
ISUP Parameter	Nature of Connection Indicators (NCI):				
values:	Satellite indicator set to: "NO satellite circu				
	Continuity check indicator set to: NCI_CO Echo control device indicator set to: "Outo				
	Echo control device indicator set to: "Outgoing echo control device included"				
	Forward Call Indicators (FCI): Interworking indicator: interworking encou ISDN user part indicator: ISDN user part/EISDN access indicator: originating access ISDN user part preference indicator: ISDN National/international call indicator set to IEnd-to-end method available set to FCI_EEnd-to-End information indicator set to FCI_SCCP method indicator set to FCI_SCCP	BICC not used all the way non-ISDN I user part/BICC not required all the way FCI_NI_CALL_IND (PIXIT) E_METHOD (PIXIT) CI_EE_INFO_IND (PIXIT) _IND (PIXIT)			
Comments:	SIP SUT INVITE →	ISUP			
	INVITE → 180 Ringing ←	→ IAM ← ACM			
	200 OK INVITE	← ANM			
	Conversation	Conversation			
	BYE →	→ REL			
	200 OK BYE ←	← RLC			

TP101019	SIP reference	e: RFC 3261 [6]	ISUP	reference:
			ITU-T Rec Q.19	12.5 [1], clause 6.1.3.5
TSS reference:	SIP-ISUP/Basic call/	Sending of the Initial Add	dress message (IAM	1)/
SIP selection criteria:	Based on table 1			
ISUP selection criteria:				
Test purpose:	media description def sends an IA	in the Idle state on receip ined with the "a =" "b =" M message, with the Tra et to TMR_VALUE .	and "m=" lines set t	o a_b_m_LINE_VALUE:
SIP Parameter values:	INVITE; a_b_m_LINE	_VALUE		
ISUP Parameter values:	IAM; TMR: ISUP_TM	R		
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversatio	n
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

Table 1

		a_b_m_LINE_VALUE				
	<u> </u>	m= line		b= line	a= line	TMR_VALUE
test purposes	<media></media>	<transport></transport>	<fmt-list></fmt-list>	<modifier>:<bandwidt h-value=""></bandwidt></modifier>	rtpmap: <dynamic-pt> <encoding name="">/<clock rate="">[/encoding parameters></clock></encoding></dynamic-pt>	TMR codes
				see note 1		
VA_01	audio	RTP/AVP	0	N/A or up to 64 kbit/s	N/A	"3,1KHz audio"
VA_02	audio	RTP/AVP	Dynamic PT	N/A or up to 64 kbit/s	rtpmap: <dynamic-pt> PCMU/8000</dynamic-pt>	"3,1KHz audio"
/A_03	audio	RTP/AVP	8	N/A or up to 64 kbit/s	N/A	"3,1KHz audio"
/A_04	audio	RTP/AVP	Dynamic PT	N/A or up to 64 kbit/s	rtpmap: <dynamic-pt> PCMA/8000</dynamic-pt>	"3,1KHz audio"
VA_05	audio	RTP/AVP	9	AS:64 kbit/s	rtpmap:9 G722/8000	"64 kbit/s preferred"
/A_06	audio	RTP/AVP	Dynamic PT	AS:64 kbit/s	rtpmap: <dynamic-pt> CLEARMODE/8000 (see note 2)</dynamic-pt>	"64 kbit/s unrestricted"
VA_07	image	Udptl	t38	N/A or up to 64 kbit/s	Based on T.38	"3,1 KHz audio"
/A_08	image	Tcptl	t38	N/A or up to 64 kbit/s	Based on T.38	"3,1 KHz audio"

NOTE 1:

NOTE 2: CLEARMODE has been standardized.

TP101020	SIP reference	: RFC 3261 [6]		reference: 2.5 [1], clause 6.1.3.5		
TSS reference:	SIP-ISUP/Basic call/ S	SIP-ISUP/Basic call/ Sending of the Initial Address message (IAM)/				
SIP selection criteria:	Based on table 2	or the military tac	arooo moodago (n uu	,		
ISUP selection criteria:						
Test purpose:	description defined wit	n the Idle state on receipth the "a = " "b =" and "n If message, with the use IE_VALUE	n=" lines set to a_b_	m_LINE_VALUE:		
values:						
ISUP Parameter values:						
Comments:	SIP	SUT		ISUP		
	INVITE	→	→	IAM		
	180 Ringing	←	←	ACM		
	200 OK INVITE	←	←	ANM		
		Conversation	Conversation	1		
	BYE	→	→	REL		
	200 OK BYE	+	+	RLC		

Table 2

			a_b_	Values for test purpos _m_LINE_VALUE			
	m= line b= line a= line		a= line	USI	VALUE		
test purposes	<media></media>	<transport></transport>	<fmt-list></fmt-list>	<modifier>:<bandwidth- value></bandwidth- </modifier>	rtpmap: <dynamic-pt> <encoding name="">/<clock rate="">[/encoding parameters></clock></encoding></dynamic-pt>	Information Transport Capability	User Information Laye 1 Protocol Indicator
				see note 1			
VA_01	Audio	RTP/AVP	0	N/A or up to 64 kbit/s	N/A	"3,1KHz audio"	"G.711 μ-law"
VA_02	Audio	RTP/AVP	Dynamic PT	N/A or up to 64 kbit/s	rtpmap: <dynamic-pt> PCMU/8000</dynamic-pt>	"3,1KHz audio"	"G.711 μ-law"
VA_03	Audio	RTP/AVP	8	N/A or up to 64 kbit/s	N/A	"3,1KHz audio"	"G.711 A-law"
VA_04	Audio	RTP/AVP	Dynamic PT	N/A or up to 64 kbit/s	rtpmap: <dynamic-pt> PCMA/8000</dynamic-pt>	"3,1KHz audio"	"G.711 A-law"
VA_05	Audio	RTP/AVP	9	AS:64 kbit/s	rtpmap:9 G722/8000	"Unrestricted digital inf. w/tones/ann"	
VA_06	Audio	RTP/AVP	Dynamic PT	AS:64 kbit/s	rtpmap: <dynamic-pt> CLEARMODE/8000 (see note 2)</dynamic-pt>	"Unrestricted digital information"	
VA_07	image	Udptl	t38	N/A or up to 64 kbit/s	Based on T.38	"3,1KHz audio"	
VA_08	image	Tcptl	t38	N/A or up to 64 kbit/s	Based on T.38	"3,1KHz audio"	

NOTE 1: <bandwidth value> for <modifier> of AS is evaluated to be B kbit/s.

NOTE 2: CLEARMODE has been standardized.

TP101021	SIP reference:	: RFC 3261 [6]	ISUP	reference:		
			ITU-T Rec Q.191	2.5 [1], clause 6.1.3.5		
TSS reference:	SIP-ISUP/Basic call/ S	SIP-ISUP/Basic call/ Sending of the Initial Address message (IAM)/				
SIP selection criteria:	Based on table 3					
ISUP selection criteria:						
Test purpose:	description defined wit	I message with the Acc	=" lines to lines set t	o a_b_m_LINE_VALUE:		
SIP Parameter values:	INVITE: a_b_m_LIN	E_VALUE				
ISUP Parameter values:	IAM; Access transpo	rt parameter HLC: HLC	C_VALUE			
Comments:	SIP	SUT		ISUP		
	INVITE	→	→	IAM		
	180 Ringing	←	←	ACM		
	200 OK INVITE	←	←	ANM		
		Conversation	Conversation	1		
	BYE	→	→	REL		
	200 OK BYE	+	+	RLC		

Table 3

M= line			M= line b= line	a= line	HLC parameter HLC VALUE	
Test purposes	<media></media>	<transport></transport>	<fmt-list></fmt-list>	<modifier>:<bandwidth- value></bandwidth- </modifier>	rtpmap: <dynamic-pt> <encoding name="">/<clock rate="">[/encoding parameters></clock></encoding></dynamic-pt>	HLC_VALUE
				see note 1		
/A_01	Audio	RTP/AVP	0	N/A or up to 64 kbit/s	N/A	See note 2
/A_02	Audio	RTP/AVP	Dynamic PT	N/A or up to 64 kbit/s	rtpmap: <dynamic-pt> PCMU/8000</dynamic-pt>	See note 2
/A_03	Audio	RTP/AVP	8	N/A or up to 64 kbit/s	N/A	See note 2
/A_04	Audio	RTP/AVP	Dynamic PT	N/A or up to 64 kbit/s	rtpmap: <dynamic-pt> PCMA/8000</dynamic-pt>	See note 2
/A_05	Image	Udptl	t38	N/A or up to 64 kbit/s	Based on T.38	"Facsímile Group 2/3"
/A_06	Image	Tcptl	t38	N/A or up to 64 kbit/s	Based on T.38	"Facsímile Group 2/3"

NOTE 1: <bandwidth value> for <modifier> of AS is evaluated to be B kbit/s.

NOTE 2: HLC normally absent in this case. It is possible for HLC to be present with the value "Telephony", although clause 6.3.1/ITU-T Rec Q.939 [13] indicates that this would normally be accompanied by a value of "Speech" for the Information Transfer Capability element.

TP101022	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.9
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Add	
SIP selection criteria:		•
ISUP selection criteria:	PICS 4/5	
Test purpose:	Ensure that the SUT for Profiles A and B the I parameter value from the Max-Forwards head Counter for a given message should never inceach successive visit to an IWU, regardless of Max-Forwards in the SIP domain.	der field value by applying a factor. The Hop crease and should decrease by at least 1 with
SIP Parameter values:		
ISUP Parameter values:	IAM: Hop Counter parameter value	
Comments:	SIP SUT INVITE 180 Ringing 200 OK INVITE The initial and successively mapped values of accommodate the maximum number of hops call.	

TP101023	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.1.2	(i,1)
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Add	ress message (IAM)/	
SIP selection	PICS 1/9		
criteria:			
ISUP selection	NOT PICS 1/7		
criteria:			
Test purpose:	the format: +CC NDC SN where CC is the count terminates, then set Nature of Addre number", remove "+CC" and use the	received URI with user=phone, and if it in received URI with user=phone, and if it is ry code of the network in which the next see indicator to "National (significant) is remaining digits to fill the Address signal couting to internal network number not	hop
OID D			
SIP Parameter values:			
ISUP Parameter	IAM: Called party number		
values:	, ,		
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
	180 Ringing ←	← ACM	
	200 OK INVITE ←	← ANM	
	Conversation	Conversation	
	BYE →	→ REL	
	200 OK BYE ←	← RLC	

TP101024	SIP reference: RFC 3261 [6]	ISUP reference:			
		ITU-T Rec Q.1912.5 [1], clause 6.1.2 (i,1)			
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Add	dress message (IAM)/			
SIP selection	PICS 1/9				
criteria:					
ISUP selection	PICS 1/7				
criteria:					
Test purpose:	the format: +CC NDC SN where CC is not the component of t	received URI with user=phone, and if it is in puntry code of the network in which the next ddress indicator to "International number", gits to fill the Address signals.			
	 Internal Network Number Indicator: routing to internal network number not allowed. Numbering plan Indicator: 001 ISDN (Telephony) numbering plan. Address Signals CC NDC SN. 				
SIP Parameter values:					
ISUP Parameter values:	IAM: Called party number				
Comments:	SIP SUT	ISUP			
	INVITE →	→ IAM			
	180 Ringing ←	← ACM			
	200 OK INVITE ←	← ANM			
	BYE -	→ REL			
	200 OK BYE ←	← RLC			

TP101025	SIP reference: I	RFC 3261 [6]	ISUP ref	erence:
			ITU-T Rec Q.1912.5	[1], clause 6.1.2 (i,1)
TSS reference:	SIP-ISUP/Basic call/ Se	ending of the Initial Add		
SIP selection	NOT PICS 1/9			
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT on contained in the userinfo			party number
	allowed.		outing to internal netwo	
	 Numbering pla 	n Indicator: 001 ISDN	(Telephony) numbering	g plan.
	Address Signa	ils.		
SIP Parameter values:				
ISUP Parameter	IAM: Called party	number		
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	(←	ACM
	200 OK INVITE	(←	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	←	←	RLC

TP101026	SIP reference:	RFC 3261 [6]	ISI	UP reference:
			ITU-T Rec Q.19	912.5 [1], clause 6.1.2 (i,1)
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Address message (IAM)/			
SIP selection criteria:	PICS 1/9			
ISUP selection criteria:	PICS 1/7			
Test purpose:	Law, then independent	from the received orde	er of preference:	DP offer for μ-Law and a-
SIP Parameter	Offer: m=audio 4711 RTP/AVP 0 8			
values:	Answer: m=audio 4712 RTP/AVP 8 0			
ISUP Parameter values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	(←	ACM
	200 OK INVITE	(←	ANM
		Conversation	Conversa	tion
	BYE	→	→	REL
	200 OK BYE	←	←	RLC

TP101027	SIP reference: F	RFC 3261 [6]	ISUP re	ference:
			ITU-T Rec Q.1912.5	[1], clause 6.1.2 (i,1)
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Address message (IAM)/			
SIP selection	PICS 1/9			
criteria:				
ISUP selection criteria:	PICS 1/7			
Test purpose:	Ensure that the SUT on	receipt of an INI/ITE r	naccana with a SDD o	ffer for a-I aw and no
rest purpose.	μ-Law, then independen			
	μ-Law, <u>internindependen</u>	t the normal oner ans	wei procedures appry.	
	the C 744 a law ender shall be returned in the CDD energy			
	the G.711 a-law codec shall be returned in the SDP answer.			
SIP Parameter	Offer: m=audio 4711 RTP/AVP 8			
values:	Answer: m=audio 4711 RTP/AVP 8			
ISUP Parameter				
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	(←	RLC

TP101028	SIP reference: RFC 326	1 [6]	IS	UP reference:
			ITU-T Rec Q.19	912.5 [1], clause 6.1.2 (i,1)
TSS reference:	SIP-ISUP/Basic call/ Sending of	the Initial Add	dress message (L	AM)/
SIP selection	PICS 1/9			
criteria:				
ISUP selection	PICS 1/7			
criteria:				
Test purpose:	Ensure that the SUT on receipt	of an INVITE r	message with a S	SDP offer <u>without a-law</u>
	codec:			
	the u-law codec shall be rejected.			
SIP Parameter	Offer: m=audio 4711 RTP/AVP 0			
values:	Answer: m=audio 0 RTP/AVP 0			
ISUP Parameter				
values:				
Comments:	SIP	SUT		ISUP
	CASE A			
	INVITE →		→	IAM
	180 Ringing ←		←	ACM
	200 OK INVITE ←		+	ANM

TP101029	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.1.2 (i,1)
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Add	Iress message (IAM)/
SIP selection	PICS 1/9 AND PICS 4/24	
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT on receipt of an INVITE r	message with a SDP offer with more than
	one media streams and based on operator po	licy then:
	 the call is refused with a 415 Unsupp 	orted media type response.
OID D		
SIP Parameter	Offer: m=audio 4711 RTP/AVP 8	
values:	m= audio 4712 RTP/AVP 8	
ISUP Parameter		
values:		
Comments:	SIP	SUT ISUP
	CASE A	
	INVITE ->	
	415 Unsupported media type	
	ACK →	

TP101030	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.2 (i,1)	
TSS reference:	SIP-ISUP/Basic call/ Sending of the Initial Add		
SIP selection	PICS 1/9 AND NOT PICS 4/24	diess message (iAiviji	
criteria:	FICS 1/9 AND NOT FICS 4/24		
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT on receipt of an INVITE r	message with a SDP offer with more than	
	one media streams and based on operator po	licy then:	
		e audio type media streams and one or more	
		ne audio streams shall be considered; the	
	other streams shall be rejected;		
	if the SDP offer contains several audio type media streams, the IWU shall only		
	consider one, and reject the other str	<u>reams</u> .	
SIP Parameter	Offer: m=audio 4711 RTP/AVP 8		
values:	m= audio 4712 RTP/AVP 8		
	m= video 4713 RTP/AVP 31		
	Answer: m=audio 4711 RTP/AVP 8		
	m=audio 0 RTP/AVP 8		
	m=video 0 RTP/AVP 31		
ISUP Parameter			
values:			
Comments:	SIP SUT	ISUP	
	CASE A		
	INVITE →	→ IAM	
	180 Ringing ←	← ACM	
	200 OK INVITE	← ANM	

6.2.1.2 Sending of the Subsequent Address Message (SAM)

TP102001	SIP reference: RFC 3261 [6]	ISUP reference:		
700 /		ITU-T Rec Q.1912.5 [1], clause 6.2 a)		
TSS reference:	SIP-ISUP/Basic call/ Sending of the Subsequent Address Message (SAM)/			
SIP selection	PICS 3/4			
criteria:				
ISUP selection	PICS 3/8			
criteria:				
Test purpose:	Ensure that the SUT receives an INVITE with the same Call-ID and From tag as a previous INVITE which was associated with a BICC/ISUP call/bearer control instance currently existing on the BICC/ISUP side whereby the number of digits in the Request-URI is greater than the number of digits already accumulated for the call: • sends a SAM and pass it to outgoing BICC/ISUP procedures. • The SAM shall contain in its Subsequent Number parameter only the additional digits received in this Request-URI compared with the digits already accumulated for the call.			
SIP Parameter				
values:				
ISUP Parameter	SAM; subsequent number (PIXIT)			
values:	, , ,			
Comments:	SIP SUT	ISUP		
	INVITE →	→ IAM		
	INVITE →	→ SAM		
	INVITE →	→ SAM		
	180 Ringing ←	← ACM		
	200 OK INVITE ←	← ANM		

TP102002	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], clause 6.2 b)		
TSS reference:	SIP-ISUP/Basic call/ Sending of the Subsequent Address Message (SAM)/			
SIP selection	PICS 3/4			
criteria:				
ISUP selection	PICS 3/8			
criteria:				
Test purpose:	Ensure that the SUT receives an INVITE with the same Call-ID and From tag as a previous INVITE which was associated with a BICC/ISUP call/bearer control instance currently existing on the BICC/ISUP side whereby the number of digits in the Request-URI is fewer than the number of digits already accumulated for the call: • then the SUT shall immediately send a 484 Address Incomplete response for this INVITE. • In this case no SAM is sent to BICC/ISUP procedures.			
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	SIP SUT	ISUP		
	INVITE →	→ IAM		
	INVITE →			
	484 Address incomplete			

6.2.1.3 Sending of COT

TP102003	SIP reference: I	RFC 3261 [6]		P reference: .1912.5 [1], clause 6.3
TSS reference:	SIP-ISUP/Basic call/CO	T		
SIP selection	PICS 4/6 AND PICS 4/7	7		
criteria:				
ISUP selection	PICS 1/4 AND PICS 4/1			
criteria:				
Test purpose:	side have been met and successfully completed: • the SUT shalls	I any continuity proce	dures on the outgo	ons on the incoming SIP ing BICC side have been nuity Indicator in the COT
SIP Parameter values:				
ISUP Parameter	COT continuity indicator	r: Continuity;		
values:	-	•		
Comments:	SIP	SUT		BICC
	INVITE	→	→	IAM
	183 Session Progress	(
	PRACK	→		
	200 OK PRACK UPDATE	← →		
	200 OK UPDATE	7		СОТ
	180 Ringing	(4	ACM
	200 OK INVITE	÷	÷	ANM

TP102004	SIP reference:	RFC 3261 [6]	ISUP refer	rence:
			ITU-T Rec Q.1912.5	5 [1], clause 6.3
TSS reference:	SIP-ISUP/Basic call/ CO	TC		
SIP selection criteria:	PICS 4/6 AND PICS 4/7	7		
ISUP selection criteria:	PICS 1/5 AND PICS 4/1			
Test purpose:	side have been met and successfully completed: • the I-IWU shal	d any continuity proced	t all the preconditions on lures on the outgoing ISU age where the Continuity check successful.	JP side have been
SIP Parameter values:				
ISUP Parameter values:	COT continuity indicato	r: Continuity check suc	ccessful;	
Comments:	SIP INVITE 183 Session Progress PRACK 200 OK PRACK UPDATE 200 OK UPDATE 200 OK INVITE	SUT + + + + + + + +	→	ISUP IAM COT ANM

6.2.1.4 Receipt of the Address Complete Message (ACM)

TP104001	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.5, 2)	
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Address complete message (ACM)/		
SIP selection			
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT on receipt of an ACM me	ssage where the Called party status	
	lindicator is set to "no indication":		
	in the case of Profile A or Profile B, the ACM is not interworked.		
SIP Parameter			
values:			
ISUP Parameter	ACM Called party status: no indication;		
values:			
Comments:	SIP SUT	ISUP	
	INVITE ->	→ IAM	
		← ACM	

TP104002	SIP re	ference: RFC 3261 [6]	ISUP re	eference:
			ITU-T Rec Q.1912	.5 [1], clause 6.5, 1)
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Address complete message (ACM)/			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	indicator is se ISDN access OBCI_INBAN • in ca	ne SUT on receipt of an ACM ment to "subscriber free" where the indicator set to ISDN_ACCES_ID then: ase of Profile A or Profile B, the the in-band information can be set to subscribe as a set of Profile B.	ISUP indicator parame D and the OBCI in-bar 180 Ringing SIP response	eter set to ISUP_ID, the and information set to onse is sent. Ensure
SIP Parameter values:				
ISUP Parameter	ACM FCI:	ISUP_ID, ISDN_ACCESS_ID		
values:	OBCI:	OBCI_INBAND;		
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
		Ringing tone	Ringing tone	

Table 4

test purposes	ISUP Parameter values:
VA_01	ACM
	ISUP_ID: ISUP not used all the way
	OBCI_INBAND: no
VA_02	ACM
	ISUP_ID: ISUP not used all the way
	OBCI_INBAND: yes
VA_03	ACM
	ISUP_ID: ISUP used all the way
	ISDN_ACCES_ID: non ISDN
	OBCI_INBAND: no
VA_04	ACM
	ISUP_ID: ISUP used all the way
	ISDN_ACCES_ID: non ISDN
	OBCI_INBAND: yes
VA_05	ACM
	ISUP_ID: ISUP used all the way
	ISDN access indicator: ISDN
	OBCI_INBAND: yes

6.2.1.5 Receipt of the Call progress message (CPG)

TP105001	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.6
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Call progre	ess message (CPG).
SIP selection criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that the SUT, having received the ACI indication", on receipt of a CPG message whe indicator is set to "Alerting": the 180 Ringing SIP response is sen	ere the event information parameter event
SIP Parameter values:		
ISUP Parameter	ACM: Called party status "no indication"	
values:	CPG; event information parameter event in	dicator: Alerting
Comments:	SIP SUT	ISUP
	INVITE →	→ IAM
		← ACM
	180 Ringing ←	← CPG

TP105002	SIP reference	ce: RFC 3261 [6]	=	SUP reference:
			IIU-I Rec	: Q.1912.5 [1], clause 6.6
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Call progress message (CPG).			
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT, having received the ACM message called party status indicator "no indication", on receipt of a CPG message where the event information parameter event indicator is set to "Progress": • the CPG is not interworked.			
SIP Parameter values:				
ISUP Parameter	ACM: Called pa	rty status "no indication	on"	
values:		ation parameter eve		ss
Comments:	SIP	Sl	JT	ISUP
	INVITE	→	→	IAM
			←	ACM
			←	CPG

TP105003	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.6
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Call progr	ess message (CPG).
SIP selection		
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT, having received the ACI indication", on receipt of a CPG message whe indicator is set to "in-band information or an attention to the CPG is not interworked.	ere the event information parameter event
SIP Parameter values:		
ISUP Parameter	ACM: Called party status "no indication"	
values:	CPG; event information parameter event in	dicator: in-band-information or an appropriate
	pattern is now available	
Comments:	SIP SUT	ISUP
	INVITE →	→ IAM
		← ACM
		← CPG

6.2.1.6 Receipt of the Answer message (ANM)

TP106001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.7	
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Answer m		
SIP selection	Oil -1001 / Basic call/ Receipt of the Answer III	essage (Aivii).	
criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT, having received the ACM	M message, on receipt of an ANM message:	
	sends a 200 OK INVITE to the UAC.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	The bearer path shall be connected in both directions when both of the following conditions are satisfied:		
	the BICC outgoing bearer set-up procedure, (ITU-T Rec Q.1902.4 [4]) is successfully completed, and;		
	 the I-IWU determines (using the procedures defined in RFC 3312 [7]) that sufficient preconditions have been satisfied on the SIP side for session establishment to proceed (if applicable). 		
	In addition, if BICC is performing the "Per-call Outgoing bearer set-up procedure and the Co bearer path shall be connected in both direction and the I-IWU determines (through the procedure preconditions have been met for the session to	nnect Type is "notification not required", the ons when the Bearer Set-up request is sent lures defined in RFC 3312 [7]) that sufficient	
	SIP SUT INVITE → 180 Ringing ← 200 OK INVITE ←	ISUP → IAM ← ACM ← ANM	

TP106002	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.7
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Answer me	:
SIP selection	PICS 4/7	essage (Alvivi).
criteria:	PICS 4/1	
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT, having received the ACM	I massage on receipt of an ANM massage:
rest purpose.	Linding that the 551, having received the Aon	in message, on receipt of all Arvivi message.
	sends a 200 OK INVITE to the UAC.	
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:		cedure, (ITU-T Rec Q.1902.4 [4]) is redures defined in RFC 3312 [7]) that sufficient the SIP side for session establishment to bearer set-up in the forward direction" nnect Type is "notification not required", the ens when the Bearer Set-up request is sent ures defined in RFC 3312 [7]) that sufficient
	SIP SUT INVITE 183 Session Progress UPDATE(SDP) 180 Ringing 200 OK INVITE	ISUP → IAM ← ACM ← ANM

TP106003	SIP reference: RFC 3261 [6]	ISUP reference:
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Answer me	ITU-T Rec Q.1912.5 [1], clause 6.7
SIP selection	NOT PICS 4/7	essage (Aivivi).
criteria:	NOT FIGS 4/1	
ISUP selection		
criteria:		
Test purpose:	SDP offer was not received in the initial INVITIACM message, on receipt of an ANM message	
	 sends a 200 OK INVITE to the UAC. offer consistent with the TMR/USI us 	The 200 OK INVITE shall include an SDP ed on the BICC/ISUP side.
SIP Parameter	200 OK INVITE includes an SDP offer	
values:	ACK includes an SDP answer	
ISUP Parameter values:		
Comments:		cedure, (ITU-T Rec Q.1902.4 [4]) is redures defined in RFC 3312 [7]) that sufficient the SIP side for session establishment to bearer set-up in the forward direction" nnect Type is "notification not required", the ons when the Bearer Set-up request is sent lures defined in RFC 3312 [7]) that sufficient

6.2.1.7 Receipt of the Connect message (CON)

TP107001	SIP reference: RFC 3261 [6]	ISUP reference:	
TCC reference.	CID ICUID/Degia call/ Degaint of the CONNEC	ITU-T Rec Q.1912.5 [1], clauses 6.4 and 6.7	
TSS reference:	SIP-ISUP/Basic call/ Receipt of the CONNEC	i message (CON).	
SIP selection criteria:			
ISUP selection			
criteria:			
Test purpose:	SDP offer was received in the initial INVITE. message:		
	 sends a 200 OK INVITE to the UAC. 		
SIP Parameter			
values:			
ISUP Parameter values:			
Comments:	The bearer path shall be connected in both directions when both of the following conditions are satisfied:		
	the BICC outgoing bearer set-up procedure, (ITU-T Rec Q.1902.4 [4]) is successfully completed, and;		
	 the I-IWU determines (using the procedures defined in RFC 3312 [7]) that sufficient preconditions have been satisfied on the SIP side for session establishment to proceed (if applicable). 		
	In addition, if BICC is performing the "Per-call Outgoing bearer set-up procedure and the Cobearer path shall be connected in both direction and the I-IWU determines (through the procedure preconditions have been met for the session to	nnect Type is "notification not required", the ons when the Bearer Set-up request is sent dures defined in RFC 3312 [7]) that sufficient	
	SIP SUT	ISUP	
	INVITE ->	→ IAM	
	200 OK INVITE ←	← CON	

TP107002	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 6.4 and 6.7	
TSS reference:	SIP-ISUP/Basic call/ Receipt of the CONNEC	T message (CON).	
SIP selection	PICS 4/7		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT, on receipt of an CON me	essage:	
	sends a 200 OK INVITE to the UAC.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	The bearer path shall be connected in both directions when both of the following conditions are satisfied:		
	the BICC outgoing bearer set-up pro successfully completed; and	cedure, (ITU-T Rec Q.1902.4 [4]) is	
	the I-IWU determines (using the procedures defined in RFC 3312 [7]) that sufficient preconditions have been satisfied on the SIP side for session establishment to proceed (if applicable).		
	In addition, if BICC is performing the "Per-call Outgoing bearer set-up procedure and the Cobearer path shall be connected in both direction and the I-IWU determines (through the procedure conditions have been met for the session to	nnect Type is "notification not required", the ons when the Bearer Set-up request is sent dures defined in RFC 3312 [7]) that sufficient	
	SIP SUT INVITE 183 Session Progress UPDATE(SDP) 200 OK INVITE	ISUP → IAM ← CON	

TP107003	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 6.4 and 6.7	
TSS reference:	SIP-ISUP/Basic call/ Receipt of the Answer message (CON).		
SIP selection	NOT PICS 4/7		
criteria:			
ISUP selection			
criteria:			
Test purpose:	SDP offer was not received in the initial INVITE. Ensure that the SUT, on receipt of an CON message: • sends a 200 OK INVITE to the UAC. The 200 OK INVITE shall include an SDP		
	offer consistent with the TMR/USI us	sed on the BICC/ISUP side.	
SIP Parameter	200 OK INVITE includes an SDP offer		
values:			
ISUP Parameter values:			
Comments:	The bearer path shall be connected in both directions when both of the following conditions are satisfied:		
	The BICC outgoing bearer set-up procedure, (ITU-T Rec Q.1902.4 [4]) is successfully completed, and		
	 The I-IWU determines (using the procedures defined in RFC 3312 [7]) that sufficient preconditions have been satisfied on the SIP side for session establishment to proceed (if applicable). 		
	In addition, if BICC is performing the "Per-call bearer set-up in the forward direction" Outgoing bearer set-up procedure and the Connect Type is "notification not required", the bearer path shall be connected in both directions when the Bearer Set-up request is sent and the I-IWU determines (through the procedures defined in RFC 3312 [7]) that sufficient preconditions have been met for the session to proceed.		
	SIP SUT	ISUP	
	INVITE ->	→ IAM	
	200 OK INVITE ←	← CON	

6.2.1.8 Receipt of the REL message

TP108001	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release	message (REL)/	
SIP selection	NOT PICS 4/15		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT in the Idle state on receipt of a INVITE message, sending out an IAM message, on receipt of an ISUP REL: the SUT immediately requests the disconnection of the internal bearer path. When the ISUP circuit is available for re-selection, an ISUP RLC is returned to the ISUP side. the SUT shall send the appropriate SIP status defined as SIP_FAILURE_VA		
SIP Parameter values:	SIP Statue-Code: SIP_FAILURE_VA (PIXIT)		
ISUP Parameter	REL; cause value: CV_ISUP (PIXIT)		
values:	, , , , , , , , , , , , , , , , , , , ,		
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
	SIP_FAILURE_VA	← REL	
	ACK →	→ RLC	

Table 5

	test purpose TP108001	
	←SIP Message	← REL
SIP_FAILURE_VA		Cause Indicators parameter
		CV_ISUP
VA_1	404 Not Found	Cause Value No. 1 ("unallocated (unassigned) number")
VA_2	500 Server Internal Error	Cause Value No. 2 ("no route to network")
VA_3	500 Server Internal Error	Cause Value No. 3 ("no route to destination")
VA_4	500 Server Internal Error	Cause Value No. 4 ("Send special information tone")
VA_5	404 Not Found	Cause Value No. 5 ("Misdialled trunk prefix")
VA_6	500 Server Internal Error	Cause Value No. 8 ("Preemption")
VA_7	500 Server Internal Error	Cause Value No. 9 ("Preemption-circuit reserved for
		reuse")
VA_8	486 Busy Here	Cause Value No. 17 ("user busy")
VA_9	480 Temporarily unavailable	Cause Value No. 18 ("no user responding")
VA_10	480 Temporarily unavailable	Cause Value No. 19 ("no answer from the user")
VA_11	480 Temporarily unavailable	Cause Value No. 20 ("subscriber absent")
VA_12	480 Temporarily unavailable	Cause Value No. 21 ("all rejected")
VA_13	410 Gone	Cause Value No. 22 ("number changed")
		-
VA_14	480 Temporarily unavailable	Cause Value No. 25 ("Exchange routing error")
VA_15	502 Bad Gateway	Cause Value No. 27 ("destination out of order")
VA_16	484 Address Incomplete	Cause Value No. 28 ("invalid number format (address
	·	incomplete")
VA_17	500 Server Internal Error	Cause Value No. 29 ("facility rejected")
VA_18	480 Temporarily unavailable	Cause Value No. 31 ("normal unspecified")
		(Class default)
VA_19	486 Busy here if Diagnostics indicator	Cause Value in the Class 010 (No circuit/channel available,
	includes the (CCBS indicator = CCBS	Cause Value No. 34)
	possible)	
	else 480 Temporarily unavailable	
VA_20	500 Server Internal Error	Cause Value in the Class 010 (resource unavailable,
		Cause Value No. 38-47)
		(47 is class default)
VA_21	500 Server Internal Error	Cause Value No. 50 ("requested facility not subscribed")
VA_22	500 Server Internal Error (SIP-I only)	Cause Value No. 55 ("incoming calls barred within CUG")
VA_23	500 Server Internal Error	Cause Value No. 57 ("bearer capability not authorized")
VA_24	500 Server Internal Error	Cause Value No. 58 ("bearer capability not presently")
VA_25	500 Server Internal Error	Cause Value No. 63 ("service option not available,
		unspecified")
\/A 00	500.0	(Class default)
VA_26	500 Server Internal Error	Cause Value in the Class 100 (service or option not
		implemented Cause Value No. 65 - 79) (79 is class default)
\/\ 07	FOO Compar Internal France	
VA_27 VA_28	500 Server Internal Error	Cause Value No. 87 ("user not member of CUG")
VA_28 VA_29	500 Server Internal Error	Cause Value No. 88 ("incompatible destination")
	500 Server Internal Error 404 Not Found	Cause Value No. 90 ("Non-existent CUG") Cause Value No. 91 ("invalid transit network selection")
VA_30	500 Server Internal Error	
VA_31	Server internal Error	Cause Value No. 95 ("invalid message")
VA_32	500 Server Internal Error	(Class default) Cause Value No. 97 ("Message type non-existent or not
v A_32	500 Server internal Error	implemented")
VA_33	500 Server Internal Error	Cause Value No. 99 ("information element/parameter non-
v /_33	Joo Jerver Internal Error	existent or not implemented")
VA_34	480 Temporarily unavailable	Cause Value No. 102 ("recovery on timer expiry")
VA_34 VA_35	500 Server Internal Error	Cause Value No. 102 (Tecovery on timer expiry) Cause Value No. 103 ("Parameter non-existent or not
۷ ۸_ 33	Jood Gerver internal Life	implemented, pass on")
VA_36	500 Server Internal Error	Cause Value No. 110 ("Message with unrecognized
v /JU	300 Server internal EIIOI	Parameter, discarded")
_	1	r arameter, discarded j
	500 Server Internal Error	Cause Value No. 111 ("protocol error upspecified")
VA_37	500 Server Internal Error	Cause Value No. 111 ("protocol error, unspecified")
	500 Server Internal Error 480 Temporarily unavailable	Cause Value No. 111 ("protocol error, unspecified") (Class default) Cause Value No. 127 ("interworking unspecified")

TP108002	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.11.2
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release	message (REL)/
SIP selection	NOT PICS 4/15	
criteria:		
ISUP selection		
criteria:		
Test purpose:	When the ISUP circuit is available for the ISUP side;	
SIP Parameter values:	SIP Statue-Code: SIP_FAILURE_VA (PIXIT)	
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)	
Comments:	SIP SUT	ISUP
	INVITE →	→ IAM
		← ACM
	SIP_FAILURE_VA ←	← REL
	ACK →	→ RLC

Table 6

values loi	r test purpose TP108002	
←SIP Message		← REL
	SIP_FAILURE_VA	Cause Indicators parameter
		CV_ISUP,
VA_1	486 Busy Here	Cause Value No. 17 ("user busy")
	Cause Value No. 17	
VA_2	480 Temporarily unavailable	Cause Value No. 18 ("No user responding")
VA_3	480 Temporarily unavailable	Cause Value No. 21 ("all rejected")
VA_4	410 Gone	Cause Value No. 22 ("number changed")
VA_5	502 Bad Gateway	Cause Value No. 27 ("destination out of order")
VA_6	484 Address Incomplete	Cause Value No. 28 ("invalid number format (address
		incomplete")
VA_7	480 Temporarily unavailable	Cause Value No. 31 ("normal unspecified")
		(Class default)
VA_8	500 Server Internal Error	Cause Value in the Class 010 (resource unavailable,
		Cause Value No. 38-47)
		(47 is class default)
VA_9	500 Server Internal Error	Cause Value No. 63 ("service option not available,
		unspecified")
		(Class default)
VA_10	500 Server Internal Error	Cause Value No. 88 ("incompatible destination")
VA_11	500 Server Internal Error	Cause Value No. 111 ("protocol error, unspecified")
		(Class default)

TP108003	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release message (REL)/		
SIP selection	NOT PICS 4/15		
criteria:			
ISUP selection			
criteria:			
Test purpose:	When the ISUP circuit is available fo the ISUP side.	here the CPS indicator is set to "subscriber	
SIP Parameter values:	SIP Statue-Code: SIP_FAILURE_VA (PIXIT)		
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
	CID CUT	ICLID	
Comments:	SIP SUT	ISUP → IAM	
	INVITE → 180 Ringing ←	→ IAM ← ACM	
	180 Ringing ← SIP FAILURE VA ←	← REL	
	ACK	→ REC	
	AUN 7	7 NLC	

TP108004	SIP reference: RFC 32	61 [6]		UP reference:
				.1912.5 [1], clause 6.11.2
TSS reference:	SIP-ISUP /Basic call/ Receipt of	of the Release r	message (REL)/	
SIP selection	NOT PICS 4/15			
criteria:				
ISUP selection				
criteria:				
Test purpose:	When the ISUP circuit the ISUP side;	CM message w CPG message ng", a 180 Ring requests the di t is available fo	where the CPS inc where the even ging message is sconnection of the r re-selection, an	dicator is set to "no t information parameter
SIP Parameter values:	SIP Statue-Code: SIP_FAILURE	_VA (PIXIT)		
ISUP Parameter	REL; cause value: CV_ISUP (PIXIT)			
values:	_ ,	•		
Comments:	SIP	SUT		ISUP
	INVITE ->		→	IAM
			(ACM
	180 Ringing ←		←	CPG
	SIP FAILURE VA		←	REL
	ACK →		→	RLC

Table 7

Values fo	Values for test purposes TP108003 and TP108004			
←SIP Message		← REL		
SIP_FAILURE_VA		Cause Indicators parameter CV_ISUP,		
VA_1	480 Temporarily unavailable	Cause Value No. 21 ("all rejected")		
VA_2	480 Temporarily unavailable	Cause Value No. 31 ("normal unspecified") (Class default)		
VA_4	500 Server Internal Error	Cause Value No. 38 ("Network out of order")		
VA_4	500 Server Internal Error	Cause Value No. 41 ("Temporary failure ")		
VA_5	500 Server Internal Error	Cause Value No. 111 ("protocol error, unspecified") (Class default)		

TP108005	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.11.2
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release	message (REL)/
SIP selection	NOT PICS 4/15	
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT in the Idle state on recei	ot of a INVITE message, sending out an IAM
	message, having received a ACM message, h	naving received a ANM', a 200 OK message
	is sent, on receipt of an ISUP REL, where the	cause value defined as CV_ISUP:
	 the SUT immediately requests the di 	isconnection of the internal bearer path.
		or re-selection, an ISUP RLC is returned to
	the ISUP side;	·
	,	
	 the SUT shall send a BYE message 	
	3	
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:	SIP SUT	ISUP
	INVITE ->	→ IAM
	180 Ringing ←	← ACM
	200 OK ĬNVITE ←	← ANM
	BYE ←	← REL
	200 OK BYE →	→ RLC

TP108006	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.11.2
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release	message (REL)/
SIP selection	NOT PICS 4/15	
criteria:		
ISUP selection		
criteria:		
Test purpose:		a 200 OK message is sent, on receipt of an CV_ISUP: isconnection of the internal bearer path. or re-selection, an ISUP RLC is returned to
SIP Parameter values:		
ISUP Parameter	REL; cause value: CV_ISUP (PIXIT)	
values:	,	
Comments:	SIP SUT	ISUP
	INVITE ->	→ IAM
	200 OK INVITE ←	← CON
	BYE ←	← REL
	200 OK BYE →	→ RLC

Table 8

Values for t	Values for test purpose TP108005 and TP 108006			
←SIP Message		← REL		
SIP_FAILURE_VA		Cause Indicators parameter CV_ISUP,		
VA_1	BYE	Cause Value No. 16		
VA_2	BYE	Cause Value No. 31 ("normal unspecified") (Class default)		
VA_3	BYE	Cause Value No. 38 ("Network out of order")		
VA_4	BYE	Cause Value No. 41 ("Temporary failure ")		
VA_5	BYE	Cause Value No. 111 ("protocol error, unspecified") (Class default)		

TP108007	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.11.2
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release r	message (REL)/
SIP selection	PICS 4/15	
criteria:		
ISUP selection		
criteria:		
Test purpose:	When the ISUP circuit is available fo the ISUP side;the SUT shall send the appropriate S	
SIP Parameter values:	cause value: CV_SIP (PIXIT)	
ISUP Parameter	REL; cause value: CV_ISUP (PIXIT)	
values:		
Comments:	SIP SUT	ISUP
	INVITE →	→ IAM
	SIP_FAILURE_VA	← REL
	ACK →	→ RLC

Table 9

Values for	test purposes TP108007	
	←SIP Message SIP_FAILURE_VA CV_SIP	← REL Cause Indicators parameter CV_ISUP,
VA_1	404 Not Found Cause Value No. 1	Cause Value No. 1 ("unallocated (unassigned) number")
VA_2	500 Server Internal Error Cause Value No. 2	Cause Value No. 2 ("no route to network")
VA_3	500 Server Internal Error Cause Value No. 3	Cause Value No. 3 ("no route to destination")
VA_4	500 Server Internal Error Cause Value No. 4	Cause Value No. 4 ("Send special information tone")
VA_5	404 Not Found Cause Value No. 5	Cause Value No. 5 ("Misdialled trunk prefix")
VA_6	500 Server Internal Error Cause Value No. 8	Cause Value No. 8 ("Preemption")
VA_7	500 Server Internal Error Cause Value No. 9	Cause Value No. 9 ("Preemption-circuit reserved for reuse")
VA_8	486 Busy Here Cause Value No. 17	Cause Value No. 17 ("user busy")
VA_9	480 Temporarily unavailable Cause Value No. 18	Cause Value No. 18 ("no user responding")
VA_10	480 Temporarily unavailable Cause Value No. 19	Cause Value No. 19 ("no answer from the user")
VA_11	480 Temporarily unavailable Cause Value No. 20	Cause Value No. 20 ("subscriber absent")
VA_12	480 Temporarily unavailable Cause Value No. 21	Cause Value No. 21 ("all rejected")
VA_13	410 Gone Cause Value No. 22	Cause Value No. 22 ("number changed")
VA_14	480 Temporarily unavailable Cause Value No. 25	Cause Value No. 25 ("Exchange routing error")
VA_15	502 Bad Gateway Cause Value No. 27	Cause Value No. 27 ("destination out of order")
VA_16	484 Address Incomplete Cause Value No. 28	Cause Value No. 28 ("invalid number format (address incomplete"))
VA_17	500 Server Internal Error	Cause Value No. 29 ("facility rejected")
VA_18	480 Temporarily unavailable Cause Value No. 31	Cause Value No. 31 ("normal unspecified") (Class default)
VA_19	486 Busy here if Diagnostics indicator includes the (CCBS indicator = CCBS possible) else 480 Temporarily unavailable Cause Value No. 34	Cause Value in the Class 010 (resource unavailable, Cause Value No. 34)
VA_20	500 Server Internal Error Cause Value No. 47	Cause Value in the Class 010 (resource unavailable, Cause Value No. 38-47) (47 is class default)
VA_21	500 Server Internal Error Cause Value No. 50	Cause Value No. 50 ("requested facility not subscribed")
VA_22	500 Server Internal Error Cause Value No. 55	Cause Value No. 55 ("incoming calls barred within CUG")
VA_23	500 Server Internal Error Cause Value No. 57	Cause Value No. 57 ("bearer capability not authorized")
VA_24	500 Server Internal Error Cause Value No. 58	Cause Value No. 58 ("bearer capability not presently")
VA_25	500 Server Internal Error Cause Value No. 63	Cause Value No. 63 ("service option not available, unspecified") (Class default)
VA_26	500 Server Internal Error Cause Value No. 65 - 79	Cause Value in the Class 100 (service or option not implemented Cause Value No. 65 - 79) (79 is class default)

Values fo	r test purposes TP108007	
	←SIP Message SIP_FAILURE_VA CV_SIP	← REL Cause Indicators parameter CV_ISUP,
VA_27	500 Server Internal Error Cause Value No. 87	Cause Value No. 87 ("user not member of CUG")
VA_28	500 Server Internal Error Cause Value No. 88	Cause Value No. 88 ("incompatible destination")
VA_29	500 Server Internal Error Cause Value No. 90	Cause Value No. 90 ("Non-existent CUG")
VA_30	404 Not Found Cause Value No. 91	Cause Value No. 91 ("invalid transit network selection")
VA_31	500 Server Internal Error Cause Value No. 95	Cause Value No. 95 ("invalid message") (Class default)
VA_32	500 Server Internal Error Cause Value No. 97	Cause Value No. 97 ("Message type non-existent or not implemented")
VA_33	500 Server Internal Error Cause Value No. 99	Cause Value No. 99 ("information element/parameter non- existent or not implemented")
VA_34	480 Temporarily unavailable Cause Value No. 102	Cause Value No. 102 ("recovery on timer expiry")
VA_35	500 Server Internal Error Cause Value No. 103	Cause Value No. 103 ("Parameter non-existent or not implemented, pass on")
VA_36	500 Server Internal Error Cause Value No. 110	Cause Value No. 110 ("Message with unrecognized Parameter, discarded")
VA_37	500 Server Internal Error Cause Value No. 111	Cause Value No. 111 ("protocol error, unspecified") (Class default)
VA_38	480 Temporarily unavailable Cause Value No. 127	Cause Value No. 127 ("interworking unspecified") (Class default)

TP108008	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release message (REL)/		
SIP selection criteria:	PICS 4/15		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in the Idle state on receipt of a INVITE message, sending out an IAM message, having received a ACM message where the CPS indicator is set to "no indication", on receipt of an ISUP REL, where the cause value defined as CV_ISUP: • the SUT immediately requests the disconnection of the internal bearer path. When the ISUP circuit is available for re-selection, an ISUP RLC is returned to the ISUP side; • the SUT shall send the appropriate SIP status defined as SIP_FAILURE_VA; • The ISUP Cause Value field in the ISUP REL message is mapped to the Reason header field.		
SIP Parameter values:	cause value: CV_SIP (PIXIT)		
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
Comments:	SIP SUT INVITE → SIP_FAILURE_VA ← ACK →	ISUP → IAM ← ACM ← REL → RLC	

Table 10

Values fo	r test purpose TP108008	
	←SIP Message SIP_FAILURE_VA CV_SIP	← REL Cause Indicators parameter CV_ISUP,
VA_1	486 Busy Here Cause Value No. 17	Cause Value No. 17 ("user busy")
VA_2	480 Temporarily unavailable Cause Value No. 18	Cause Value No. 18 ("No user responding")
VA_3	480 Temporarily unavailable Cause Value No. 21	Cause Value No. 21 ("all rejected")
VA_4	410 Gone Cause Value No. 22	Cause Value No. 22 ("number changed")
VA_5	502 Bad Gateway Cause Value No. 27	Cause Value No. 27 ("destination out of order")
VA_6	484 Address Incomplete Cause Value No. 28	Cause Value No. 28 ("invalid number format (address incomplete")
VA_7	480 Temporarily unavailable Cause Value No. 31	Cause Value No. 31 ("normal unspecified") (Class default)
VA_8	500 Server Internal Error Cause Value No. 47	Cause Value in the Class 010 (resource unavailable, Cause Value No. 38-47) (47 is class default)
VA_9	500 Server Internal Error Cause Value No. 63	Cause Value No. 63 ("service option not available, unspecified") (Class default)
VA_10	500 Server Internal Error Cause Value No. 88	Cause Value No. 88 ("incompatible destination")
VA_11	500 Server Internal Error Cause Value No. 111	Cause Value No. 111 ("protocol error, unspecified") (Class default)

TP108009	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release message (REL)/		
SIP selection criteria:	PICS 4/15		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in the Idle state on receipt of a INVITE message, sending out an IAM message, having received a ACM message where the CPS indicator is set to "subscriber free", having sent a 180 Ringing message on receipt of an ISUP REL, where the cause value defined as CV_ISUP: • the SUT immediately requests the disconnection of the internal bearer path. When the ISUP circuit is available for re-selection, an ISUP RLC is returned to the ISUP side; • the SUT shall send the appropriate SIP status defined as SIP_FAILURE_VA; • The ISUP Cause Value field in the ISUP REL message is mapped to the Reason header field.		
SIP Parameter values:	Cause value: CV_SIP (PIXIT)		
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
Comments:	SIP SUT INVITE 180 Ringing SIP_FAILURE_VA ACK	ISUP → IAM ← ACM ← REL → RLC	

TP1080010	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release message (REL)/		
SIP selection	PICS 4/15		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT in the Idle state on receipt of a INVITE message, sending out an IAM message, having received a ACM message where the CPS indicator is set to "no indication", having received a CPG message where the event information parameter event indicator is set to "Alerting", a 180 Ringing message is sent, on receipt of an where the cause value defined as CV_ISUP: the SUT immediately requests the disconnection of the internal bearer path. When the ISUP circuit is available for re-selection, an ISUP RLC is returned to the ISUP side; the SUT shall send the appropriate SIP status defined as SIP_FAILURE_VA; The ISUP Cause Value field in the ISUP REL message is mapped to the Reason header field.		
SIP Parameter values:	Cause value: CV_SIP (PIXIT)		
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
		← ACM	
	180 Ringing ←	← CPG	
	SIP_FAILURE_VA ← REL		
	ACK →	→ RLC	

Table 11

Values for test purposes TP108009 and TP108010			
	←SIP Message SIP_FAILURE_VA CV_SIP	← REL Cause Indicators parameter CV_ISUP,	
VA_1	486 Busy Here Cause Value No. 17	Cause Value No. 17 ("user busy")	
VA_2	480 Temporarily unavailable Cause Value No. 18	Cause Value No. 18 ("No user responding")	
VA_3	480 Temporarily unavailable Cause Value No. 21	Cause Value No. 21 ("all rejected")	
VA_4	410 Gone Cause Value No. 22	Cause Value No. 22 ("number changed")	
VA_5	502 Bad Gateway Cause Value No. 27	Cause Value No. 27 ("destination out of order")	
VA_6	484 Address Incomplete Cause Value No. 28	Cause Value No. 28 ("invalid number format (address incomplete")	
VA_7	480 Temporarily unavailable Cause Value No. 31	Cause Value No. 31 ("normal unspecified") (Class default)	
VA_8	500 Server Internal Error Cause Value No. 47	Cause Value in the Class 010 (resource unavailable, Cause Value No. 38-47) (47 is class default)	
VA_9	500 Server Internal Error Cause Value No. 63	Cause Value No. 63 ("service option not available, unspecified") (Class default)	
VA_10	500 Server Internal Error Cause Value No. 88	Cause Value No. 88 ("incompatible destination")	
VA_11	500 Server Internal Error Cause Value No. 111	Cause Value No. 111 ("protocol error, unspecified") (Class default)	

TP1080011	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Release message (REL)/		
SIP selection criteria:	PICS 4/15	y	
ISUP selection criteria:			
Test purpose:	 sent, on receipt of an ISUP REL where the the SUT immediately requests the d When the ISUP circuit is available for the ISUP side; the SUT shall send BYE message; 	naving received an ANM', a 200 OK message	
SIP Parameter values:	Cause value: CV_SIP (PIXIT)		
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
Comments:	SIP SUT INVITE → 180 Ringing ← 200 OK INVITE ← BYE ← 200 OK BYE →	ISUP	

SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.2	
PICS 4/15	noodgo (rtzz)/	
Ensure that the SUT in the Idle state on receipt of a INVITE message, sending out a IAM message, having received a CON message, a 200 OK message is sent, on receipt of an where the cause value defined as CV_ISUP: • the SUT immediately requests the disconnection of the internal bearer path. When the ISUP circuit is available for re-selection, an ISUP RLC is returned to the ISUP side; • the SUT shall send BYE message. • The ISUP Cause Value field in the ISUP REL message is mapped to the Reason header field.		
Cause value: CV_SIP (PIXIT)		
P51		
REL; cause value: CV_ISUP (PIXIT)		
OID OLIT	IOLID	
	ISUP → IAM	
	→ IAM ← CON	
	← REL	
	→ RLC	
	Ensure that the SUT in the Idle state on receip message, having received a CON message, a where the cause value defined as CV_ISUP: the SUT immediately requests the dis When the ISUP circuit is available for the ISUP side; the SUT shall send BYE message. The ISUP Cause Value field in the IS header field.	

Table 12

Values for	or test purposes TP108011 and TP108	3012
←SIP Message		← REL
	SIP_FAILURE_VA	Cause Indicators parameter
	CV_SIP	CV_ISUP,
VA_1	BYE	Cause Value No. 16
	Cause Value No. 16	
VA_2	BYE	Cause Value No. 31 ("normal unspecified")
	Cause Value No. 31	(Class default)
VA_3 BYE		Cause Value No. 38 ("Network out of order")
	Cause Value No. 38	, , , , , , , , , , , , , , , , , , ,
VA_4	BYE	Cause Value No. 41 ("Temporary failure ")
	Cause Value No. 41	, , , , , , , , , , , , , , , , , , ,
VA_5	BYE	Cause Value No. 111 ("protocol error, unspecified")
	Cause Value No. 111	(Class default)

TP1081013	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.2	
TSS reference:	SIP-ISUP /Basic call/ Receipt of the Releas		
SIP selection criteria:	NOT PICS 4/15 AND PICS 4/26	• ,	
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in the Idle state on receipt of a INVITE message, sending out an IAM message, on receipt of an ISUP REL with cause value 23 the SUT shall: • the SUT immediately requests the redirection to the new destination according the ISUP/BICC procedures.		
SIP Parameter values:			
ISUP Parameter values:	REL; cause value: 23		
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
		← REL	
		→ RLC → IAM	

6.2.1.9 Autonomous release at I-IWU

TP1081013	SIP reference: RFC 3	3261 [6]	ISUP reference:
			ITU-T Rec Q.1912.5 [1], clause 6.11.3
TSS reference:	SIP-ISUP/Basic call/ Autonor	nous release at I-	I-IWU
SIP selection criteria:			
ISUP selection criteria:	PICS 4/8		
Test purpose:	(because the call is not routal	ble), the SUT sha arily Unavailable	npt initiated by the SUT is not successful all: e response to the SIP side. No actions on the
SIP Parameter values:			
ISUP Parameter			
values:			
Comments:	SIP	Sl	UT ISUP
	INVITE -	→	→ IAM
			← RSC → RLC
	480 Temporarily unavailable ACK	← →	Z

TP1081014	SIP reference: R	RFC 3261 [6]		JP reference: 1912.5 [1], clause 6.11.3		
TSS reference:	SIP-ISUP/Basic call/ Aut	onomous release at l	-IWU			
SIP selection criteria:						
ISUP selection criteria:						
Test purpose:	Ensure that when the SUT receives unrecognized backward ISUP or BICC signalling information and determines that the call needs to be released based on the coding, the SUT: • shall send a 500 Server Internal Error response on the SIP side.					
SIP Parameter values:						
ISUP Parameter values:	Unknown message: Mes	sage compatibility "R	elease call"			
Comments:	SIP	SUT		ISUP		
	INVITE	→	→	IAM		
	180 Ringing	←	←	ACM		
			←	???		
	500 Server internal error	←	→	REL		
	ACK	→	+	RLC		

TP1081015	SIP reference: RFC 3261	[6]		UP reference:		
			ITU-T Rec Q.	.1912.5 [1], clause 6.11.3		
TSS reference:	SIP-ISUP/Basic call/ Autonomous	release at I-	-IWU			
SIP selection	PICS 4/15					
criteria:						
ISUP selection						
criteria:						
Test purpose:	Ensure that if the I-IWU receives u					
	information and determines that th shall:	e call needs	s to be released b	ased on the coding, the SUT		
	send a 500 Server Internal Error response on the SIP side;					
	 the reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value of the REL message sent by the I-IWU shall be contained in the SIP Message (BYE or final response) sent by the SIP side of the I-IWU. 					
SIP Parameter values:						
ISUP Parameter values:	Unknown message: Message com	patibility "R	elease call"			
Comments:	SIP	SUT		ISUP		
	INVITE →		→	IAM		
	180 Ringing ←		←	ACM		
			(???		
	500 Server internal error ←		→	REL		
	ACK →		+	RLC		

TP1081016	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.3		
TSS reference:	SIP-ISUP/Basic call/ Autonomous release at			
SIP selection				
criteria:				
ISUP selection	PICS 3/4			
criteria:				
Test purpose:	Ensure that the SUT on receipt of insufficient digits received in an INVITE messages:			
	sends an 484 Address Incomplete	message		
SIP Parameter values:				
ISUP Parameter				
values:				
Comments:	SIP SUT	ISUP		
	INVITE →			
	484 Address incomplete ←			
	ACK →			

TP1081017	SIP reference: RFC 3261 [6]	ISUP reference:			
		ITU-T Rec Q.1912.5 [1], clause 6.11.3			
TSS reference:	SIP-ISUP/Basic call/ Autonomous release at I-	-IWU			
SIP selection	PICS 3/4				
criteria:					
ISUP selection criteria:					
	Engues that the CLIT on receipt of subacquest	INIVITE massage			
Test purpose:	is sending a 484 Address Incomplete message to consider any offer-answer exchange initiated by the INVITE. A new INVITE shall initiate a new offer-answer exchange.				
SIP Parameter					
values:					
ISUP Parameter					
values:					
Comments:		wer exchange initiated by the INVITE to be fer-answer exchange. However, if resources reused within the new offer-answer exchange,			
	SIP SUT INVITE INVITE 484 Address incomplete ACK	ISUP			

TP1081018	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], clause 6.11.3		
TSS reference:	SIP-ISUP/Basic call/ Autonomous release at I-	-IWU		
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT in congestion on receipt of INVITE message:			
	 sends an 480 Temporarily Unavailab 	le message.		
SIP Parameter				
values:				
ISUP Parameter values:				
	SIP	CLIT		
Comments:	1	SUT		
	INVITE -			
	480 Temporarily unavailable			
	ACK →			

TP1081019	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 6.11.3
TSS reference:	SIP-ISUP/Basic call/ Autonomous release at I-	-IWU
SIP selection criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that the release procedure of the BICC	C/ISUP are a result of a release after answer:
	 sends a BYE message to the UAC; 	
	DEL 4- 4b - DICO/ICLID - :	
	sends a REL to the BICC/ISUP side.	
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:	SIP SUT	ISUP
	INVITE →	→ IAM
	180 Ringing ←	← ACM
	200 OK INVITE ←	← ANM
	BYE	→ REL
	200 OK BYE →	← RLC

TP1082020	SIP reference: RFC	3261 [6]		IP reference: 912.5 [1], clause 6.11.3
TSS reference:	SIP-ISUP/Basic call/ Autono	mous release at I	•	Lag, cases of the
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	sends 500 Server		C/ISUP compatibil	ity procedure:
SIP Parameter values:				
ISUP Parameter values:	Unknown parameter: Param	eter compatibility	"Release call"	
Comments:	SIP	SUT		ISUP
	INVITE →		→	IAM ACM
	500 Server internal error ← ACK →		→	REL RLC

TP1082021	SIP reference: R	FC 3261 [6]	1	JP reference: 1912.5 [1], clause 6.11.3		
TSS reference:	SIP-ISUP/Basic call/ Auto	nomous release at I		1012.0 [1], 0.0000 0.11.0		
SIP selection criteria:			-			
ISUP selection criteria:						
Test purpose:	Ensure that the call is rele	eased due to expiry	of T7 within the BIC	CC/ISUP procedures:		
	sends 484 Address Incomplete.					
SIP Parameter values:						
ISUP Parameter values:						
Comments:	SIP	SUT		ISUP		
	INVITE	→	→	IAM		
		T7 ex	piry			
	484 Address incomplete	←	→	REL		
	ACK	→	+	RLC		

TP1082022	SIP reference: RFC 32	261 [6]		reference: 12.5 [1], clause 6.11.3
TSS reference:	SIP-ISUP/Basic call/ Autonom	ous release at l	-IWU	
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	sends 480 Temporarily U		T9 within the BICC/IS	SUP procedures:
SIP Parameter values:				
ISUP Parameter values:				
Comments:	SIP INVITE 180 Ringing	S →	UT → ←	ISUP IAM ACM
	480 Temporarily unavailable ACK	T: ←	expiry → ←	REL RLC

TP1082023	SIP reference: RFC 3	261 [6]	ISUP ref	ference:
			ITU-T Rec Q.1912.	5 [1], clause 6.11.3
TSS reference:	SIP-ISUP/Basic call/ Autonom	ous release at I-	·IWU	
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the call is release	d due release be	efore answer:	
	sends 480 Temporal	rily Unavailable.		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	SIP	S	SUT	ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
		Autonomous re	elease from I-IWU	
	480 Temporarily unavailable	←	→	REL
	ACK	→	+	RLC

6.2.1.10 Receipt of the Release message BYE / CANCEL

TP109001	SIP reference	e: RFC 3261 [6]	_	UP reference:
			ITU-T Rec Q.	1912.5 [1], clause 6.11.1
TSS reference:	SIP-ISUP/Basic call/ I	Receipt of the BYE mess	sage	
SIP selection	NOT PICS 4/16			
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT	on receipt of SIP BYE , th	ne SUT shall send	an ISUP REL with the cause
	value # 16 to the ISUI	o side		
SIP Parameter				
values:				
ISUP Parameter	REL: Cause valu	ie #16, Location "Netwo	rk beyond an inter	working point"
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
	BYE	→	→	REL
	200 OK BYE	+	-	RLC

TP109002	SIP reference: RFC 320	61 [6]	ISU	IP reference:	
			ITU-T Rec Q.1	912.5 [1], clause 6.1	11.1
TSS reference:	SIP-ISUP/Basic call/ Receipt of	the CANCEL I	message		
SIP selection criteria:	NOT PICS 4/16				
ISUP selection					
criteria:					
Test purpose:	Ensure that the SUT on receipt	of SIP CANCE	L, the I-IWU shall	send an ISUP REL w	vith the
	cause value # 31 to the ISUP si	de.			
SIP Parameter					
values:					
ISUP Parameter	REL: Cause value #31, Lo	cation "Networ	k beyond an interv	vorking point"	
values:	OLD	0.17		IOLID	
Comments:	SIP	SUT	_	ISUP	
	INVITE →		→	IAM	
	180 Ringing ←		←	ACM	
	CANCEL →		→	REL	
	200 OK CANCEL ←		+	RLC	

TP109003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.11.1			
TSS reference:	SIP-ISUP/Basic call/ Receipt of the BYE mes	sage			
SIP selection criteria:	PICS 4/16	PICS 4/16			
ISUP selection criteria:					
Test purpose:	Ensure that the SUT on receipt of SIP BYE, the SUT shall send an ISUP REL to the ISUP side. Ensure that the Reason header field with ITU-T Rec Q.850 [5] Cause Value is included in the BYE message is mapped to the ISUP Cause Value field in the ISUP REL message.				
SIP Parameter values:	Protocol-cause: CV_Reason Header (PIXIT)	Ţ			
ISUP Parameter values:	REL: cause value: CV_ISUP (PIXIT)				
Comments:	SIP SUT INVITE → 180 Ringing ← 200 OK INVITE ← BYE → 200 OK BYE ←	ISUP			

TP109004	SIP reference: RFC 3261 [6]	ISUP reference:			
		ITU-T Rec Q.1912.5 [1], clause 6.11.1			
TSS reference:	SIP-ISUP/Basic call/ Receipt of the CANCEL message				
SIP selection	PICS 4/16	-			
criteria:					
ISUP selection criteria:					
Test purpose:	Ensure that the SUT on receipt of SIP CANCEL, the I-IWU shall send an ISUP REL to the ISUP side.				
	Ensure that the Reason header field with ITU-T Rec Q.850 [5] Cause Value is included in the CANCEL message is mapped to the ISUP Cause Value field in the ISUP REL message.				
SIP Parameter values:	•	-			
ISUP Parameter	REL: cause value: CV_ISUP (PIXIT)				
values:	location: LOC_ISUP (PIXIT)				
Comments:	SIP SUT	ISUP			
	INVITE →	→ IAM			
	180 Ringing ←	← ACM			
	CANCEL →	→ REL			
	200 OK CANCEL	← RLC			

6.2.1.11 Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented

TP110001	SIP reference: RFC 3261 [6]	ISUP reference:			
	ITU-T Rec Q.1912.5 [1], clauses 6.11.4 and 5				
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message				
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented				
SIP selection criteria:					
ISUP selection criteria:					
Test purpose:	already been received on receipt of a RSC me	ward ISUP/BICC message relating to the call has essage sends: ady received an ACK for the 200 OK INVITE			
SIP Parameter values:					
ISUP Parameter					
values:					
Comments:	SIP SUT	T ISUP			
	INVITE →	→ IAM			
	180 Ringing ←	← ACM			
	200 OK INVITE ← ACK →	← ANM			
	BYE ←	← RSC			
	200 OK BYE →	→ RLC			

TP110002	SIP reference: RFC 3261 [6]	ISUP reference:			
	ITU-T Rec Q.1912.5 [1], clauses 6.11.4 and 5				
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message				
	(GRS) or Circuit group blocking message (CG	B) with the indication hardware failure oriented			
SIP selection					
criteria:					
ISUP selection					
criteria:					
Test purpose:	Ensure that the SUT, when at least one backy	ard ISUP/BICC message relating to the call has			
	already been received on receipt of a GRS me	essage sends:			
	a BYE message if the SUT has already received an ACK for the 200 OK INVITE				
	message which had it sent.				
CID Dovernator					
SIP Parameter					
values:					
ISUP Parameter					
values:	SIP SUT	ICLID			
Comments:	1				
	INVITE -	→ IAM ← ACM			
	180 Ringing ← 200 OK INVITE ←				
	200 OK INVITE ← ACK →	← ANM			
	ACK 7				
	BYE ←	← GRS			
	200 OK BYE →	→ GRA			

TP110003	SIP reference: RFC 3	261 [6]		P reference:	
TCC reference		- (D (- i i		912.5 [1], clause 6.11.4	
TSS reference:	SIP-ISUP/Basic call/ Receipt (of Reset circuit n on message (CG	nessage (RSC), Circ R) with the indication	cuit group reset message n hardware failure oriented	
SIP selection	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented				
criteria:					
ISUP selection					
criteria:					
Test purpose:	Ensure that the SUT, when at least one backward ISUP message relating to the call has already been received on receipt of a CGB message, with the Circuit Group Supervision Message Type Indicator coded as "hardware failure oriented", sends: • a BYE message if the SUT has already received an ACK for the 200 OK INVITE message which had it sent.				
SIP Parameter values:					
ISUP Parameter values:	Circuit Group Supervision Message Type Indicator "hardware failure oriented"				
Comments:	SIP	SUT	•	ISUP	
	INVITE →		→	IAM	
	180 Ringing ←		←	ACM	
	200 OK INVITE ← ACK →		←	ANM	
	BYE ←		←	CGB	
	200 OK BYE →		→	CGBA	

TP110004	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 6.11.4 and 5	
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message		
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented		
SIP selection criteria:			
ISUP selection			
criteria:			
Test purpose:	already been received on receipt of a RSC me 200 OK INVITE if the SUT has not yet receive		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	SIP SUT	ISUP	
	INVITE ->	→ IAM	
	180 Ringing ←	← ACM	
	200 OK INVITE ←	← ANM	
		← RSC	
	ACK →	→ RLC	
	BYE +	2 1120	
	200 OK BYE →		

TP110005	SIP reference: RFC 3261 [6]	ISUP reference	
		ITU-T Rec Q.1912.5 [1], clau	uses 6.11.4 and 5
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message		
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented		
SIP selection			
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT, when at least one backy		ting to the call has
	already been received on receipt of a GRS me		
	200 OK INVITE if the SUT has not yet receive	d an ACK for the 200 OK INVI	TE.
	The SUT shall wait until it receives the ACK for the 200 OK INVITE before sending		
	the BYE.		
CID Devementer			
SIP Parameter			
values:			
ISUP Parameter			
values:	OLD	101	ID.
Comments:	SIP SUT		
	INVITE -	→ IAN	-
	180 Ringing ←	← AC	
	200 OK INVITE ←	← AN	IVI
		← GR	ie l
	ACK →	← GR → GR	-
	ACK → BYF ←	→ GR	i.A
	200 OK BYE →		

SIP reference: RFC 3261 [6]		reference:
SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message		
(GRS) or Circuit group blocking message (CG	B) with the indication	hardware failure oriented
already been received on receipt of a RSC me Message Type Indicator coded as "hardware f 200 OK INVITE if the SUT has not yet received	ssage, with the Circui ailure oriented", send d an ACK for the 200	it Group Supervision s OK INVITE.
Circuit Group Supervision Message Type Indic	cator "hardware failure	e oriented"
SIP SUT		ISUP
INVITE →	→	IAM
180 Ringing ←	(ACM
200 OK ĬNŬITE ←	←	ANM
	←	CGB
ACK →	÷	GGBA
BYE ←	-	302
200 OK BYE →		
	SIP-ISUP/Basic call/ Receipt of Reset circuit nr (GRS) or Circuit group blocking message (CG) Ensure that the SUT, when at least one backwalready been received on receipt of a RSC me Message Type Indicator coded as "hardware for 200 OK INVITE if the SUT has not yet received the BYE. Circuit Group Supervision Message Type Indicator Circuit Group Supervision Message Type Indica	ITU-T Rec Q.191 SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circu (GRS) or Circuit group blocking message (CGB) with the indication Ensure that the SUT, when at least one backward ISUP message realready been received on receipt of a RSC message, with the Circuit Message Type Indicator coded as "hardware failure oriented", sends 200 OK INVITE if the SUT has not yet received an ACK for the 200 • The SUT shall wait until it receives the ACK for the 200 OK the BYE. Circuit Group Supervision Message Type Indicator "hardware failure SIP SUT INVITE

TP110007	SIP reference: RF	-C 3261 [6]	ISU	IP reference:
	ITU-T Rec Q.1912.5 [1], clauses 6.11.4 and 5			
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message			
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection				
criteria:				
ISUP selection criteria:				
Test purpose:	already been received on		essage sends	ssage relating to the call has
SIP Parameter				
values:				
ISUP				
Parameter				
values:				
Comments:	SIP SUT ISUP			
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	500 Server Internal Error	←	←	RSC
	ACK	→	→	RLC

TP110008	SIP reference: RF	C 3261 [6]	ISII	P reference:
11 110000	on reference. Ki	C 3201 [0]		
TOO (ITU-T Rec Q.1912.5 [1], clauses 6.11.4 and 5			
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message			
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT, whe	n at least one backw	ard ISUP/BICC mes	sage relating to the call has
	already been received on			3
	a 500 Server Internal Error on the SIP side.			
	- a doc doliver micrital Eller on the direction			
SIP Parameter				
values:				
ISUP				
Parameter				
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	500 Server Internal Error	←	←	GRS
	ACK	→	→	GRA

TP110009	SIP reference: RF	C 3261 [6]		IP reference:	
	ITU-T Rec Q.1912.5 [1], clause 6.11.4				
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message				
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented				
SIP selection					
criteria:					
ISUP selection criteria:					
Test purpose:	Ensure that the SUT, when at least one backward ISUP message relating to the call has already been received on receipt of a CGB message, with the Circuit Group Supervision Message Type Indicator coded as "hardware failure oriented", sends • a 500 Server Internal Error on the SIP side.				
SIP Parameter					
values:					
ISUP					
Parameter					
values:					
Comments:	SIP SUT ISUP				
	INVITE	→	→	IAM	
	180 Ringing	←	←	ACM	
	500 Server Internal Error	←	←	CGB	
	ACK	→	→	CGBA	

TP110010	SIP reference: RFC 3261 [6	i] IS	UP reference:	
		ITU-T Rec Q.191	2.5 [1], clauses 6.11.4 and 5	
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message			
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection				
criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving call association on receipt of a GRS bigger than "1": the SUT shall send a BYE		nd Status Parameter value is	
SIP Parameter values:				
ISUP Parameter				
values:				
Comments:	SIP	SUT	ISUP	
	INVITE 1 →	→	IAM	
	180 Ringing ←	←	ACM	
	200 OK INVITE ← ACK →	←	ANM	
	INVITE 2 →	→	IAM	
	180 Ringing ←	÷	ACM	
	200 OK ĬNŬITE ← ACK →	←	ANM	
	BYE 1 ←	←	GRS	
	200 OK BYE	→	GRA	

TP110011	SIP reference: RFC 326	1 [6]		P reference:
T00 (.5 [1], clauses 6.11.4 and 5
TSS reference:	SIP-ISUP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message			
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT after receiv call association on receipt of a C Type Indicator coded as "hardwavalue is bigger than "1": the SUT shall send a B	GB message, are failure orie	with the Circuit Gro nted" were the Ran	oup Supervision Message age and Status Parameter
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	SIP	SUT		ISUP
	INVITE 1 →		→	IAM
	180 Ringing ←		←	ACM
	200 OK ÎNVÎTE ←		←	ANM
	ACK →			
	INVITE 2 →		→	IAM
	180 Ringing ←		←	ACM
	200 OK INVITE		÷	ANM
	ACK →		•	,
	BYE 1 ←		←	CGB
	200 OK BYE →		÷	CGBA
	BYE 2		•	30 <i>D</i> , (
	200 OK BYE →			
	ZOO ON DIE			

6.2.1.12 Receipt of the Suspend message (SUS) network initiated

TP111001	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.9	
TSS reference:	SIP-ISUP/Basic call/ receipt of a SUSPEND message with the suspend indicator set to		
	"network initiated"		
SIP selection			
criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT, on receipt of a SUSPEND message with the suspend indicator set to		
	"network initiated":		
	does not send any message.		
SIP Parameter			
values:			
ISUP Parameter	SUS; Suspend indicator: network initiated		
values:			
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
	180 Ringing ←	← ACM	
	200 OK INVITE ←	← ANM	
		← SUS	

TP111002	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.9
TSS reference:	SIP-ISUP/Basic call/ receipt of a SUSPEND message with the suspend indicator set to "network initiated"	
SIP selection criteria:	notwerk initiated	
ISUP selection criteria:	PICS 4/19	
Test purpose:	Ensure that the SUT, on receipt of a SUSPEN "network initiated": T6 is started. After T6 is expired, the call is release	D message with the suspend indicator set to d.
SIP Parameter values:		
ISUP Parameter values:	SUS; Suspend indicator: network initiated; R	EL: Cause value 102
Comments:	SIP SUT INVITE → 180 Ringing ← 200 OK INVITE ←	ISUP
		started
	BYE	→ REL ← RLC

6.2.1.13 Receipt of the Resume message (RES) network initiated

TP112001	SIP reference: F	RFC 3261 [6]		ISUP referei ITU-T Rec Q.19	
TSS reference:	SIP-ISUP/Basic call/				
SIP selection					
criteria:					
ISUP selection					
criteria:					
Test purpose:	Ensure that the SUT, on indicator set to "network • does not send	initiated":	SUME message	containing the sus	pend/resume
SIP Parameter					
values:					
ISUP Parameter values:	RES; Suspend indicate	r : network initia	ited		
Comments:	SIP		SUT	15	SUP
	INVITE	→	-) IA	λM
	180 Ringing	←	+	- A	CM
	200 OK INVITE	←	•	- A	NM
			•	• s	US
			€	• R	ES

6.2.2 Interworking from ISUP to SIP

6.2.2.1 Sending of the INVITE message

TP301001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, 1 a)	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE message		
SIP selection criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication: • Sends the INVITE message.		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: with sending complete indication		
Comments:	ISUP/BICC SUT IAM →	SIP INVITE	

TP301002	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, 1 b)	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE message		
SIP selection			
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum		
	number of digits used in the national numbering plan:		
	sends the INVITE message.		
SIP Parameter			
values:			
ISUP Parameter	IAM; Called party number: complete number		
values:			
Comments:	ISUP/BICC SUT	SIP	
	IAM →	→ INVITE	

TP301003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, 1 c)	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE message		
SIP selection criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party: • sends the INVITE message.		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE	

TP301004	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, 1 d)	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE message		
SIP selection criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of called party number where the end of addrestimer T _{OIW1} after the receipt of the latest addressed sends the INVITE message.	ss signalling is determined by the expiration	
SIP Parameter			
values:			
ISUP Parameter values:			
Comments:	ISUP/BICC SUT	SIP	
	IAM →		
	Tolv	_{V1} expiry	
		→ INVITE	

TP301005	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, A)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message		
SIP selection	NOT PICS 4/20		
criteria:	DICC 1/E		
criteria:	PICS 1/5		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message with the complete called party number containing the Continuity Check indicator in the Nature of Connection Indicators parameter is set to indicate "continuity check not required": • sends a INVITE message.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	

TP301006	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 7.1, A)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage	
SIP selection criteria:	NOT PICS 4/20		
ISUP selection	PICS 1/5		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message with the complete called party number containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check required on this circuit": • Sends the INVITE after the receipt of the Continuity message with the Continuity Indicators parameter "continuity check successful".		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT	SIP	
	IAM →		
	COT →	→ INVITE	

TP301007	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, A)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message		
SIP selection criteria:	NOT PICS 4/20		
ISUP selection criteria:	PICS 1/5		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message with the complete called party number containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check performed on previous circuit": • Sends the INVITE after the receipt of the Continuity message with the Continuity Indicators parameter "continuity check successful".		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT	SIP	
	COT →	→ INVITE	

TP301008	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, A)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage	
SIP selection criteria:	NOT PICS 4/20		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check required on this circuit". INVITE shall not be sent if the Continuity message is received with the Continuity Indicators parameter set to "continuity check failed".		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT IAM → COT →	SIP	

TP301009	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, A)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage	
SIP selection	NOT PICS 4/20		
criteria:			
ISUP selection	PICS 1/5		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check required on this circuit". INVITE shall not be sent if the ISUP timer T8 expires. The SUT Sends a REL message.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT	SIP	
	IAM →		
	T8 ex	xpiry	
	REL ←		
	RLC →		

TP301012	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message		
SIP selection criteria:	PICS 4/7 AND PICS 4/20		
ISUP selection criteria:	PICS 1/5 AND PICS 4/2		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message where the Continuity Check indicator in the Nature of Connection Indicators parameter in the IAM is set to indicate "continuity check not required": • sends an INVITE message with precondition using the SDP offer in the INVITE.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP IAM →	SUT SIP INVITE	

TP301013	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)			
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message				
SIP selection	PICS 4/7 AND PICS 4/20	nessage			
criteria:	1100 1/1 /1100 1/20				
ISUP selection	PICS 1/5 AND PICS 4/2				
criteria:					
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message where the Continuity Check indicator in the Nature of Connection Indicators parameter in the IAM is set to indicate "continuity check required on this circuit": • sends an INVITE message with precondition using the SDP offer in the INVITE. The SDP offer or answer carrying the confirmation of a precondition being met is sent when the Continuity message with the Continuity Indicators parameter set to "continuity check successful" was received and the requested preconditions are met in the SIP network.				
SIP Parameter values:					
ISUP Parameter					
values:					
Comments:	ISUP SUT SIP				
	IAM → INVITE				
		← 183 Session Progress			
		→ PRACK			
	2007	€ 200 OK PRACK			
	COT →	→ UPDATE ← 200 OK UPDATE			

TP301014	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message		
SIP selection criteria:	PICS 4/7 AND PICS 4/20		
ISUP selection criteria:	PICS 1/5 AND PICS 4/2		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message where the Continuity Check indicator in the Nature of Connection Indicators parameter in the IAM is set to indicate "continuity check performed on previous circuit": • sends an INVITE message with precondition using the SDP offer in the INVITE. The SDP offer or answer carrying the confirmation of a precondition being met is sent when the Continuity message with the Continuity Indicators parameter set to "continuity check successful" was received and the requested preconditions are met in the SIP network.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT IAM → COT →	SIP → INVITE ← 183 Session Progress → PRACK ← 200 OK PRACK → UPDATE ← 200 OK UPDATE	

TP301015	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message		
SIP selection criteria:	PICS 4/7 AND PICS 4/20		
ISUP selection criteria:	PICS 1/5 AND PICS 4/2		
Test purpose:	The SUT in Idle state, receives an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check performed on previous circuit" and sends an INVITE message with precondition using the SDP offer in the INVITE. The call has been cleared before an early dialogue has been established. Ensure that the SUT: • sends CANCEL if on the SIP side the internal resource reservation was unsuccessful; • REL with Cause Value 47 (resource unavailable, unspecified) shall be sent on the ISUP side of the O-IWU.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT IAM →	SIP → INVITE ← 100 Trying	
	REL ← RLC	ervation was unsuccessful → CANCEL ← 200 OK CANCEL	

TP301016	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], clause 7.1, B)		
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message			
SIP selection	PICS 4/7 AND PICS 4/20			
criteria:				
ISUP selection	PICS 1/5 AND PICS 4/2			
criteria:				
Test purpose:	The SUT in Idle state, receives an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check performed on previous circuit" and sends an INVITE message with precondition using the SDP offer in the INVITE. The call has been cleared after an early dialogue with the message defined as SIP_MESSAGE_VA has been established. Ensure that the SUT: • sends CANCEL if on the SIP side the internal resource reservation was unsuccessful; • REL with Cause Value 47 (resource unavailable, unspecified) shall be sent on the ISUP side of the O-IWU.			
SIP Parameter				
values:				
ISUP Parameter				
values:	10.15			
Comments:	ISUP SUT			
	IAM → INVITE ← SIP MESSAGE VA			
	SIP_WESSAGE_VA			
	internal resource reservation was unsuccessful			
	REL ← → CANCEL			
	RLC →	€ 200 OK CANCEL		
		★ 487 Request		
	terminated → ACK			

TP301018	SIP reference: RFC 3261 [6]	ISUP ref	
		ITU-T Rec Q.1912.5	[1], clause 7.1, B)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message		
SIP selection	PICS 4/7 AND PICS 4/20		
criteria:			
ISUP selection	PICS 1/5 AND PICS 4/2		
criteria:			
Test purpose:	The SUT in Idle state, receives an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "continuity check performed on previous circuit" and sends an INVITE message with precondition using the SDP offer in the INVITE. The call has been cleared after a 200 OK response message has been received. Ensure that the SUT: • sends BYE if on the SIP side the internal resource reservation was unsuccessful; • REL with Cause Value 47 (resource unavailable, unspecified) shall be sent on the ISUP side of the O-IWU.		
SIP Parameter			
values:			
ISUP Parameter values:			
Comments:	ISUP SUT		SIP
Comments.	IIAM →	→	INVITE
	II AVI	,	1144111
		←	200 OK INVITE
	Internal resource rese	ervation was unsuccessful	
		→	ACK
	REL ←	→	BYE
	RLC →	←	200 OK BYE

TP301019	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection criteria:	PICS 4/7 AND PICS 4/20	
ISUP selection criteria:	PICS 1/5 AND PICS 4/2	
Test purpose:	the Nature of Connection Indicators paramete this circuit" and sends an INVITE message v INVITE. The call has been cleared before and that the SUT: sends CANCEL if on the SIP side the unsuccessful.	early dialogue has been established. Ensure
SIP Parameter values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP → INVITE ← 100 Trying
	internal resource reservation was unsuccessful	
	REL ← RLC →	→ CANCEL ← 200 OK CANCEL

TP301020	SIP reference: RFC 3261 [6]		eference:
		ITU-T Rec Q.1912	2.5 [1], clause 7.1, B)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage	
SIP selection	PICS 4/7 AND PICS 4/20		
criteria:			
ISUP selection	PICS 1/5 AND PICS 4/2		
criteria:			
Test purpose:	The SUT in Idle state, receives an IAM messa the Nature of Connection Indicators parameter this circuit" and sends an INVITE message with INVITE. The call has been cleared after an easing MESSAGE_VA has been established. Ensured sends CANCEL if on the SIP side the unsuccessful. REL with Cause Value 47 (resource in ISUP side of the O-IWU.	which is set to "continuith precondition using the relation of the recondition using the relation of the recondition using the research of the recondition of the research of	the SDP offer in the essage defined as
SIP Parameter values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT	_	SIP
	IAM →	→	INVITE
		~	SIP_MESSAGE_VA
	internal resource reservation was unsuccessful		
	REL ←	→	CANCEL
	RLC →	←	200 OK CANCEL
		←	487 Request terminated
		→	ACK

Table 13

Values fo	r test purpose
•	TP301016
•	TP301020
•	TP3010128
•	TP3010132
•	TP3010148
VA	SIP MESSAGE_VA
VA_1	180 Ringing
VA_2	181 Call Is Being Forwarded
VA_3	182 Queued
VA_4	183 Session Progress without SDP

TP301027	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)
TSS reference:	ICLID CID/Dasia call/Conding of the INV/ITE re-	= =: · · · ·
	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection	PICS 4/7 AND PICS 4/20	
criteria:		
ISUP selection	PICS 1/5 AND PICS 4/2	
criteria:		
Test purpose:		vith the Continuity Indicators parameter set to
SIP Parameter values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
		← 100 Trying
	COT →	· -
		→ CANCEL
		← 200 OK CANCEL
		★ 487 Request terminated
		→ ACK

TP301028	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)
TSS reference:	ISUD SID/Degie cell/Sending of the INIVITE me	<u> </u>
	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection criteria:	PICS 4/7 AND PICS 4/20	
ISUP selection	PICS 1/5 AND PICS 4/2	
criteria:		
Test purpose:		vith the Continuity Indicators parameter set to cleared after an early dialogue with the
SIP Parameter		
values:		
ISUP Parameter values:		
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
		★ SIP_MESSAGE_VA
	COT →	
		→ CANCEL
		← 200 OK CANCEL
		★ 487 Request terminated
		→ ACK

TP301031	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, B)
TOO (
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection	PICS 4/7 AND PICS 4/20	
criteria:		
ISUP selection	PICS 1/5 AND PICS 4/2	
criteria:		
Test purpose:	the Nature of Connection Indicators paramete this circuit" and sends an INVITE message v	ge containing the Continuity Check indicator in r which is set to "continuity check required on vith precondition using the SDP offer in the has been cleared before an early dialogue has
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
		← 100 Trying
	T8 ex	pires
	REL ←	→ CANCEL
	RLC →	← 200 OK CANCEL
		← 487 Request terminated
		→ ACK

TP301032	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1, B)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection	PICS 4/7 AND PICS 4/20	
criteria:		
ISUP selection	PICS 1/5 AND PICS 4/2	
criteria:		
Test purpose:		has been cleared after an early dialogue with
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	
	IAM →	→ INVITE
		SIP_MESSAGE_VA
		xpires
	REL +	CANCEL
	RLC →	€ 200 OK CANCEL
		← 487 Request terminated→ ACK

TP301037	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, C)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	= =: : : :
SIP selection criteria:	NOT PICS 4/20	essaye
ISUP selection criteria:	PICS 1/4	
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message indicating "COT to be expected": • The sending of the INVITE is delayed until all the following conditions are satisfied: - Continuity message, with the Continuity Indicators parameter set to "continuity" shall be received;	
	- Bearer Set-up indication – for the forward bearer set-up case where the incoming Connect Type is "notification not required" was received.	
SIP Parameter		
values:		
ISUP Parameter values:		
Comments:	BICC SUT	SIP
	COT →	→ INVITE

TP301038	SIP reference: RFC 3261 [6]	ISUP reference:	
117301036	SIF reference. KFC 3201 [0]		
		ITU-T Rec Q.1912.5 [1], clause 7.1, C)	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE m	nessage	
SIP selection	NOT PICS 4/20		
criteria:			
ISUP selection	PICS 1/4		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of expected":	of an IAM message indicating "COT to be	
	The sending of the INVITE is delayed until all the following conditions are satisfied:		
	 Continuity message, with the Continuity Indicators parameter set to "continuity" shall be received; 		
	- APM with Action indicator set to "Connected" – for the forward bearer set-up cases (with, or without bearer control tunnelling) where the incoming Connect Type is "notification required", and for the fast set-up (backward) case.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	BICC SUT	SIP	
	IAM →		
	COT →		
	APM →	→ INVITE	

TP301039	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, C)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection criteria:	NOT PICS 4/20	
ISUP selection criteria:	PICS 1/4	
Test purpose:	- Continuity message, with the C "continuity" shall be received;	ntil all the following conditions are satisfied: Continuity Indicators parameter set to
SIP Parameter		
values:		
ISUP Parameter values:		
Comments:	BICC SUT IAM →	SIP
	COT →	→ INVITE

TP301040	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, C) 2.4	
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE m	nessage	
SIP selection criteria:	NOT PICS 4/20		
ISUP selection criteria:	PICS 1/4	PICS 1/4	
Test purpose:	- Continuity message, with the C	ntil all the following conditions are satisfied: Continuity Indicators parameter set to	
SIP Parameter			
values: ISUP Parameter			
values:			
Comments:	BICC SUT	SIP	
Comments.	IAM → COT →	→ INVITE	

TP301041	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1, C)
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage
SIP selection	NOT PICS 4/20	
criteria:		
ISUP selection	PICS 1/4	
criteria:		
Test purpose:	Ensure that the SUT in Idle state, on receipt or expected":	f an IAM message indicating "COT to be
	 Sends not the INVITE if the Continuity message was not received, i.e., the BICC timer T8 expires. Send REL with Cause Value 41 (temporary failure) shall be sent on the BICC side of the O-IWU. 	
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:	BICC SUT	SIP
	IAM →	
	T8 e	xpires
	REL ←	
	RLC →	

TP301042	SIP reference: RFC 3261 [6]	ISUP reference:							
17301042	SIF reference. KFC 3201 [0]	ITU-T Rec Q.1912.5 [1], clause 7.1, D)							
<i>(</i>	1								
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE n	nessage							
SIP selection	PICS 4/7 AND PICS 4/20								
criteria:									
ISUP selection	PICS 1/4 AND PICS 4/2								
criteria:									
Test purpose:	Ensure that the SUT in Idle state, on receipt								
	expected" sends an INVITE message with p	recondition using the SDP offer in the INVITE.							
	The precondition signalling is concluded upon	n sending the (within an SDP offer-answer							
		ng met. The SDP offer or answer carrying the							
	confirmation of a precondition being met is se	ent when all of the following conditions are							
	satisfied when:	o							
	continuity message with the Continuity	uity Indicators parameter set to "continuity" shall							
	be received:	any mandatore parameter out to community of an							
	bo roconvou,	bo tooolyou,							
	hearer Set-up indication – for the for	bearer Set-up indication – for the forward bearer set-up case where the incoming							
		Connect Type is "notification not required" was received.							
	Connect Type is Troullication flot required was received.								
SIP Parameter									
values:									
ISUP Parameter									
values:									
Comments:	BICC SUT	SIP							
Comments.	IAM →	→ INVITE							
	IAIVI 7								
	СОТ	183 Session Progress							
	COT	→ UPDATE							
		★ 200 OK UPDATE							

TP301043	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, D) 2.2					
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage					
SIP selection criteria:	PICS 4/7 AND PICS 4/20						
ISUP selection	PICS 1/4 AND PICS 4/2						
criteria:							
Test purpose:	expected" sends an INVITE message with pre The precondition signalling is concluded upon exchange) confirmation of a precondition being confirmation of a precondition being met is ser satisfied when:	 continuity message, with the Continuity Indicators parameter set to "continuity" shall 					
SIP Parameter values:							
ISUP Parameter							
values:	21.20	017					
Comments:	BICC SUT	_					
	IAM →	→ INVITE					
	сот	← 183 Session Progress→ UPDATE← 200 OK UPDATE					

TP301044	SIP reference: RFC 3261 [6]	ISUP ref ITU-T Rec Q.1912.5 [
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message								
SIP selection	NOT PICS 4/20								
criteria:	11011100 1120								
ISUP selection criteria:	PICS 1/4								
Test purpose:	expected" sends an INVITE message with professional precondition signalling is concluded upon exchange) confirmation of a precondition being confirmation of a precondition being met is set satisfied when:	 Continuity message, with the Continuity Indicators parameter set to "continuity" shall be received; Bearer Set-up Connect indication – for the backward bearer set-up case was 							
SIP Parameter values:									
ISUP Parameter values:									
Comments:	BICC SUT IAM →	→ I ← 1 → U	SIP NVITE 83 Session Progress JPDATE 200 OK UPDATE						

TP301045	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1, D) 2.4						
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message							
SIP selection criteria:	PICS 4/7 AND PICS 4/20	oodgo						
ISUP selection criteria:	PICS 1/4 AND PICS 4/2							
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message indicating "COT to be expected" sends an INVITE message with precondition using the SDP offer in the INVITE. The precondition signalling is concluded upon sending the (within an SDP offer-answer exchange) confirmation of a precondition being met. The SDP offer or answer carrying the confirmation of a precondition being met is sent when all of the following conditions are satisfied when: • continuity message, with the Continuity Indicators parameter set to "continuity" shall be received; • BNC set-up success indication for cases using bearer control tunnelling was received.							
SIP Parameter values:								
ISUP Parameter values:								
Comments:	BICC SUT IAM →	SIP → INVITE ← 183 Session Progress → UPDATE ← 200 OK UPDATE						

TP301046	SIP refere	nce: RFC 3261 [6]		. •	SUP reference:				
				ITU-T Rec Q.	.1912.5 [1], clause 7.1, D)				
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE message								
SIP selection criteria:	PICS 4/7 AND PIC	CS 4/20							
ISUP selection criteria:	PICS 1/4 AND PICS 4/2								
Test purpose:	The SUT in Idle state, on receipt of an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "COT to be expected", sends an INVITE message with precondition using the SDP offer in the INVITE: • Ensure that the SUT sends CANCEL if the ISUP timer T8 expires if the call has been cleared before an early dialogue has been established.								
SIP Parameter values:									
ISUP Parameter values:									
Comments:	BICC SUT SIP IAM → INVITE								
			T8 expires	S					
	REL	←		→	CANCEL				
	RLC	→		+	200 OK CANCEL				

TP301048	SIP reference: RFC 3261 [6]	ISUP reference:						
	ITU-T Rec Q.1912.5 [1], clause 7.1, D)							
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage						
SIP selection	PICS 4/7 AND PICS 4/20							
criteria:								
ISUP selection	PICS 1/5 AND PICS 4/2							
criteria:								
Test purpose:	The SUT in Idle state, on receipt of an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to "COT to be expected", sends an INVITE message with precondition using the SDP offer in the INVITE: • Ensure that the SUT sends CANCEL if the ISUP timer T8 expires if the call has been cleared after an early dialogue with the message defined as SIP_MESSAGE_VA has been established.							
SIP Parameter								
values:								
ISUP Parameter								
values:								
Comments:	BICC SUT	SIP						
	IAM →	→ INVITE						
	← SIP_MESSAGE_VA							
	T8 expires							
	REL ←	→ CANCEL						
	RLC →	← 200 OK CANCEL						
		★ 487 Request terminated						
		→ ACK						

TP301049	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1							
TSS reference:									
	ISUP-SIP/Basic call/Sending of the INVITE me	essage							
SIP selection	PICS 4/7 AND PICS 4/20								
criteria:	DIOC 4/F AND DIOC 4/O								
ISUP selection	PICS 1/5 AND PICS 4/2								
criteria:	E did OUT: III di	100							
Test purpose:	 indicator in the Nature of Connection Indicator expected". Ensure that the SUT: sends CANCEL if on the SIP side the and if the call has been cleared <u>befo</u> established. 	 sends CANCEL if on the SIP side the internal resource reservation was unsuccessful and if the call has been cleared <u>before</u> an early dialogue with the message has been established. A REL with Cause Value 47 (resource unavailable, unspecified) shall be sent on the 							
SIP Parameter									
values:									
ISUP Parameter									
values:									
Comments:	BICC SUT	SIP							
	IAM →	→ INVITE							
		← 100 Trying							
		ervation was unsuccessful							
	REL ←	→ CANCEL							
	RLC →	← 200 OK CANCEL ← 487 Request terminated							
		← 487 Request terminated→ ACK							

TP301051	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1				
T00 (10115 015 5 11/0 15 (41 155/175					
TSS reference:	ISUP-SIP/Basic call/Sending of the INVITE me	essage				
SIP selection	PICS 4/7 AND PICS 4/20					
criteria:						
ISUP selection	PICS 1/5 AND PICS 4/2					
criteria:						
Test purpose:	 Ensure that the SUT in Idle state, on receipt of an IAM message containing Continuity Check ndicator in the Nature of Connection Indicators parameter which is set to "COT to be expected". Ensure that the SUT: sends CANCEL if on the SIP side the internal resource reservation was unsuccessful and if the call has been cleared <u>after</u> an early dialogue with the message defined as SIP_MESSAGE_VA has been established. A REL with Cause Value 47 (resource unavailable, unspecified) shall be sent on the ISUP side of the O-IWU. 					
SIP Parameter						
values:						
ISUP Parameter						
values:						
Comments:	BICC SUT	_				
	IAM →	→ INVITE				
		★ SIP_MESSAGE_VA				
	internal resource reservation was unsuccessful					
	REL ←	→ CANCEL				
	RLC →	€ 200 OK CANCEL				
		← 487 Request terminated→ ACK				

TP301053	SIP refere	nce: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.1					
TSS reference:	ISUP-SIP/Basic ca	ISUP-SIP/Basic call/ Sending of the INVITE message						
SIP selection criteria:	Based on table 14							
ISUP selection criteria:								
Test purpose:	Ensure that the SUT in the Idle state on receipt of a IAM message, with the Transmission Medium Requirement (TMR) parameter set to TMR_VALUE: • sends an INVITE message containing the media description defined with the "a =" "b =" and "m=" lines set to a_b_m_LINE_VALUE.							
SIP Parameter values:	INVITE: a_b_m_LI	NE_VALUE						
ISUP Parameter values:	IAM: TMR: ISUP_	TMR						
Comments:	ISUP	SUT		SIP				
	IAM	→	→	INVITE				
	ACM	←	(180 Ringing				
	ANM	←	(200 OK INVITE				
		Conversation	Conversation					
	REL	→	→	BYE				
	RLC	←	←	200 OK BYE				

TP301054	SIP reference: RFC 3261 [6]	ISUP reference:				
	ITU-T Rec Q.1912.5 [1], clause 7.1.1					
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE m	nessage				
SIP selection	Based on table 15					
criteria:						
ISUP selection						
criteria:						
Test purpose:	Ensure that the SUT in the Idle state on receip	pt of an IAM message, with the user				
	information parameter set to USI_VALUE:					
	 sends an INVITE message, with the media description defined with the "a = " "b 					
	=" and "m=" lines set to a_b_m_LINE	E_VALUE.				
SIP Parameter	INVITE: a_b_m_LINE_VALUE					
values:						
ISUP Parameter	IAM: TMR: ISUP_USI					
values:						
Comments:	ISUP SUT	SIP				
	IAM →	→ INVITE				
	ACM ←	← 180 Ringing				
	ANM ←	← 200 OK INVITE				
	Conversation	Conversation				
	REL →	→ BYE				
	RLC ←	← 200 OK BYE				

Table 14

Values f	or test purposes TP3	301053							
	ISUP	ISUP SDP - a_b_m_LINE_VALUE							
	TMR parameter		m= l	ine	b= line	a= line			
	TMR codes	<media></media>	<transport></transport>	<fmt-list></fmt-list>	<modifier>: <bandwidth- value></bandwidth- </modifier>	rtpmap: <dynamic-pt> <encoding name="">/<clock rate="">[/encoding parameters></clock></encoding></dynamic-pt>			
VA_01	"speech"	Audio	RTP/AVP	0 (and possibly 8)	AS:64	rtpmap:0 PCMU/8000 (and possibly rtpmap:8 PCMA/8000)			
VA_02	"speech"	Audio	RTP/AVP	Dynamic PT (and possibly a second Dynamic PT)	AS:64	rtpmap: <dynamic-pt> PCMU/8000 (and possibly rtpmap:<dynamic-pt> PCMA/8000)</dynamic-pt></dynamic-pt>			
VA_03	"speech"	Audio	RTP/AVP	8	AS:64	rtpmap:8 PCMA/8000			
VA_04	"speech"	Audio	RTP/AVP	Dynamic PT	AS:64	rtpmap: <dynamic-pt> PCMA/8000</dynamic-pt>			
VA_05	"3,1 KHz audio"	Audio	RTP/AVP	0 and/or 8	AS:64	rtpmap:0 PCMU/8000 and/or rtpmap:8 PCMA/8000			
VA_06	"3,1 KHz audio"	Audio	RTP/AVP	0 (and possibly 8)	AS:64	rtpmap:0 PCMU/8000 (and possibly rtpmap:8 PCMA/8000)			
VA_07	"3,1 KHz audio"	Audio	RTP/AVP	8	AS:64	rtpmap:8 PCMA/8000			
VA_08	"64 kbit/s unrestricted"	Audio	RTP/AVP	9	AS:64	rtpmap:9 G722/8000			
VA_9	"64 kbit/s unrestricted"	Audio	RTP/AVP	Dynamic PT	AS:64	rtpmap: <dynamic-pt> CLEARMODE/8000</dynamic-pt>			

Table 15

VA	ISUP				SDP - a_b_m_LINE_VALUE				
		USI para	ameter	HLC IE in ATP		m= line		b= line	a= line
	TMR	Information Transport Capability	User Information Layer 1 Protocol Indicator	High Layer Characteristics Identification	<media></media>	<transport></transport>	<fmt-list></fmt-list>	<modifier>:< bandwidth- value></modifier>	rtpmap: <dynamic-pt> <encoding name>/<clock rate="">[/encoding parameters></clock></encoding </dynamic-pt>
VA_01	"speech"	"Speech"	"G.711 μ-law"	Ignore	audio	RTP/AVP	0 (and possibly 8) Note 1	AS:64	rtpmap:0 PCMU/8000 (and possibly rtpmap:8 PCMA/8000) See note 1
VA_02	"speech"	"Speech"	"G.711 μ-law"	Ignore	audio	RTP/AVP	Dynamic PT (and possibly a second Dynamic PT) See note 1	AS:64	rtpmap: <dynamic-pt> PCMU/8000 (and possibly rtpmap:<dynamic- pt=""> PCMA/8000) See note 1</dynamic-></dynamic-pt>
VA_03	"speech"	"Speech"	"G.711 A-law"	Ignore	audio	RTP/AVP	8	AS:64	rtpmap:8 PCMA/8000
VA_04	"speech"	"Speech"	"G.711 A-law"	Ignore	audio	RTP/AVP	Dynamic PT	AS:64	rtpmap: <dynamic-pt> PCMA/8000</dynamic-pt>
VA_05	"3,1 KHz audio"	USI Absent		Ignore	audio	RTP/AVP	0 and/or 8 See note 1	AS:64	rtpmap:0 PCMU/8000 and/or rtpmap:8 PCMA/8000 See note 1
VA_06	"3,1 KHz audio"	"3,1 KHz audio"	"G.711 μ-law"		audio	RTP/AVP	0 (and possibly 8)	AS:64	rtpmap:0 PCMU/8000 (and possibly rtpmap:8 PCMA/8000)
VA_07	"3,1 KHz audio"	"3,1 KHz audio"	"G.711 A-law"		audio	RTP/AVP	8	AS:64	rtpmap:8 PCMA/8000
VA_08	"3,1 KHz audio"	"3,1 KHz audio"	"G.711 μ-law"	"Facsimile Group 2/3"	image	udptl	t38	AS:64	Based on T.38.
VA_09	"3,1 KHz audio"	"3,1 KHz audio"	"G.711 A-law"	"Facsimile Group 2/3"	image	udptl	t38	AS:64	Based on T.38.
VA_10	"3,1 KHz audio"	"3,1 KHz audio"	"G.711 μ-law"	"Facsimile Group 2/3"	image	tcptl	t38	AS:64	Based on T.38.
VA_11	"3,1 KHz audio"	"3,1 KHz audio"	"G.711 A-law"	"Facsimile Group 2/3"	image	tcptl	t38	AS:64	Based on T.38.
VA_12	"64 kbit/s unrestricted"	"Unrestricted digital inf. W/tone/ann."	N/A	Ignore	audio	RTP/AVP	9	AS:64	Rtpmap:9 G722/8000
VA_13	"64 kbit/s unrestricted"	"Unrestricted digital information"	N/A	Ignore	Audio	RTP/AVP	Dynamic PT	AS:64	rtpmap: <dynamic-pt> CLEARMODE/8000 See note 2</dynamic-pt>

NOTE 2: CLEARMODE has been standardized.

TP301055	5	SIP reference: RFC 3261 [6]		JP reference:
<i>(</i>				.1912.5 [1], clause 7.1.1
TSS reference:		P/Basic call/ Sending of the INVITE m	essage	
SIP selection	PICS 1/1			
criteria:				
ISUP selection				
criteria:				
Test purpose:	informa	hat the SUT in the Idle state on receiption parameter set to USI_VALUE ar arameter set to TMR_VALUE: sends an INVITE message with the r =" and "m=" lines set to a_b_m_LINE ensure that the SUT is capable of en specified in RFC 3267 [12]: "RTP pa' Adaptive Multi-Rate (AMR) and Adaptodec".	nd Transmission Media description E_VALUE; coding the SDP fyload format and	Medium Requirement defined with the "a = " "b for the AMR codec, which is file storage format for the
SIP Parameter values:	INVITE:	a_b_m_LINE_VALUE		
ISUP Parameter values:	IAM:	TMR: ISUP_USI		<u> </u>
Comments:	ISUP	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversa	ation
	REL	→	→	BYE
	RLC	+	+	200 OK BYE

TP301056	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.2	
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE message		
SIP selection criteria:	NOT PICS 1/9		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT is mapping the Called Party address information contained in the Called Party Number parameter of the IAM: • to the addr-spec component of the To header field in the INVITE message.		
SIP Parameter values:	INVITE: To:		
ISUP Parameter values:			
Comments:	ISUP SUT IAM →	SIP → INVITE	

TP301057	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.2
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE m	essage
SIP selection	NOT PICS 1/9	
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT is mapping the Called Party Number parameter of the IAM: to the addr-spec component of the T "user=phone" URI parameter if the T	o header field which shall include the
SIP Parameter values:	INVITE: To: sip:; user=phone	
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE

TP301058	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.2
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE m	= =:
SIP selection criteria:	NOT PICS 1/9	•
ISUP selection criteria:		
Test purpose:	Ensure that the SUT is mapping the Called Party Number parameter of the IAM an to the addr-spec component of the To	d the and the followed SAM:
SIP Parameter values:	INVITE: To:	
ISUP Parameter values:		
Comments:	ISUP SUT IAM → SAM → SAM →	SIP
		→ INVITE

TP301059	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.2
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE m	essage
SIP selection	NOT PICS 1/9	
criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that the SUT is mapping in the Called Called Party address information of the IAM at to the addr-spec component of the Telluser=phone URI parameter if the Telluser=phone URI parameter.	o header field which shall include the
SIP Parameter values:	INVITE: To: sip:; user=phone	
ISUP Parameter values:		
Comments:	ISUP SUT	SIP
	IAM →	
	SAM →	
	SAM →	
		→ INVITE

TP301060	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 7.1.4	
TSS reference:	ISUP-SIP/Basic call/ Sending of the Initial Add	dress message (IAM)/	
SIP selection criteria:			
ISUP selection criteria:	PICS 4/5		
Test purpose:	Ensure that the SUT shall derive the Max-Forwards header field value from the Hop Counter parameter value by applying a factor. The Max-Forwards header field value for a given message should never increase and should decrease by at least 1 with each successive visit to an IWU, regardless of intervening interworking, and similarly for Max-Hop Counter inn the BICC/ISUP domain.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	The initial and successively mapped values of accommodate the maximum number of hops to call.		
	ISUP SUT →	SIP → INVITE	

TP301061	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.2
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE m	essage
SIP selection criteria:	PICS 1/9	
ISUP selection criteria:	PICS 1/8	
Test purpose:	 the format of the To header field is "-t the forward address information is de INVITE Request-URI. 	o header field in the INVITE message;
SIP Parameter values:	INVITE: To:	
ISUP Parameter values:		
Comments:	ISUP SUT →	SIP → INVITE

TP301062	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.2	
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE message		
SIP selection criteria:	PICS 1/9		
ISUP selection criteria:	NOT PICS 1/8		
Test purpose:	Ensure that the SUT is mapping the Called Party address information contained in the Called Party Number parameter, Nature of address = "National (significant) number" of the IAM: • to the addr-spec component of the To header field in the INVITE message; • the format of the To header field is "+CC+NDC+SN"; • the forward address information is derived from the userinfo component of the INVITE Request-URI.		
SIP Parameter values:	INVITE: To:		
ISUP Parameter values:			
Comments:	ISUP SUT →	SIP → INVITE	

TP301063	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.2	
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE message		
SIP selection criteria:	PICS 1/9		
ISUP selection criteria:	PICS 1/8		
Test purpose:	Called Party Number parameter, Nature and the and the followed SAM: to the addr-spec component of the format of the To header field.		
SIP Parameter values:	INVITE: To:		
ISUP Parameter values:			
Comments:	ISUP S IAM → SAM → SAM →	UT SIP	
		→ INVITE	

TP301064	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.2
TSS reference:	ISUP-SIP/Basic call/ Sending of the INVITE	message
SIP selection	PICS 1/9	
criteria:		
ISUP selection	NOT PICS 1/8	
criteria:		
Test purpose:	Ensure that the SUT is mapping the Called F Called Party Number parameter, Nature of a of the IAM and the followed SAM: to the addr-spec component of the The format of the To header field is the forward address information is a INVITE Request-URI.	nddress = "National (significant) number" To header field;
SIP Parameter values:	INVITE: To:	
ISUP Parameter values:		
Comments:	ISUP SUT	SIP
	IAM →	
	SAM →	
	SAM →	
		→ INVITE

6.2.2.2 Receipt of the SAM message after INVITE has been send

TP302001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after INV	
SIP selection criteria:	PICS 3/1	
ISUP selection criteria:		
Test purpose:	Ensure if the SUT is supporting en bloc address SAMs received after the SUT has sent the INV	
SIP Parameter values:		-
ISUP Parameter values:	SAM; subsequent number (PIXIT)	
Comments:	ISUP SUT	SIP
	IAM SAM →	→ INVITE

TP302002		SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1	
TSS reference:	ISUP-S	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent		
SIP selection	PICS 3/			
criteria:				
ISUP selection	PICS 1/	/5		
criteria:				
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the Continuity Check indicator in the Nature of Connection Indicators parameter which is set to indicate "continuity check not required":			
	•	sends a INVITE message.		
	On rece	eipt of a SAM from the ISUP the SUT s	hall:	
	1)	1) Stop timer TOIW3 (if it is running).		
	2)	2) TOIW2 shall be restarted and the SUT shall invoke the following procedures:		
	a)	The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call.		
	b)	A new INVITE with the same Call-ID INVITE is sent.	and From header (including tag) as the previous	
	c)	The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.		
	d)	All other contents of the new INVITE original IAM.	are interworked from the parameters of the	
SIP Parameter				
values:				
ISUP Parameter values:				
Comments:	ISUP	SUT	SIP	
3	IAM	→	→ INVITE	
	SAM	→	→ INVITE	
	SAM	→	→ INVITE	

TP302003	SIP re	ference: RFC 3261 [6]		ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1	
TSS reference:	ISUP-SIP/Ras	sic call/Receipt of SAM at	fter invite		
SIP selection		NOT PICS 4/20	itei iiivite	Thas been sent	
criteria:	1 100 0/2 / 1112	711011100 1/20			
ISUP selection	PICS 1/5 AND) PICS 4/2			
criteria:					
Test purpose:	Check indicate			an IAM message containing the Continuity dicators parameter which is set to "continuity	
		/ITE after the receipt of tontinuity check succes		nuity message with the Continuity Indicators	
	On receipt of a	a SAM from the ISUP the	e SUT sh	all:	
	1) Stop	timer TOIW3 (if it is runn	ning).		
	2) TOIW2 shall be restarted and the SUT shall invoke the following procedures:				
	 a) The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 				
	 b) A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 				
	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
		other contents of the new original IAM.	w INVITE	are interworked from the parameters of the	
SIP Parameter values:					
ISUP Parameter					
values:					
Comments:	ISUP IAM	SUT →	SIP		
	SAM	→ →			
	COT	• → •	INVITE		
	SAM	→ →	INVITE		

TP302004		SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1			
TSS reference:	ISUP-S	SIP/Basic call/Receipt of SAM after invit	te has been sent			
SIP selection	PICS 3	B/2 AND NOT PICS 4/20				
criteria:						
ISUP selection	PICS 1	I/5 AND PICS 4/2				
criteria:						
Test purpose:	Check		of an IAM message containing the Continuity andicators parameter which is set to "continuity"			
		the INVITE after the receipt of the Content "continuity check successful".	tinuity message with the Continuity Indicators			
	On rec	eipt of a SAM from the ISUP the SUT s	shall:			
	1)	Stop timer TOIW3 (if it is running).				
	2)	2) TOIW2 shall be restarted and the SUT shall invoke the following procedures:				
		 a) The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 				
		 b) A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 				
		c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
	 d) All other contents of the new INVITE are interworked from the parameters of the original IAM. 					
SIP Parameter values:						
ISUP Parameter						
values:						
Comments:	ISUP IAM	SUT →	SIP			
	SAM COT SAM	→ → →	→ INVITE → INVITE			
	OVIN	7	7 HAVILE			

TP302005	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1			
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invi-	te has been sent			
SIP selection	PICS 3/2 AND NOT PICS 4/20				
criteria:	DIOCATE AND DIOCATO				
ISUP selection criteria:	PICS 1/5 AND PICS 4/2				
Test purpose:	Ensure that the SUT in Idle state, on receipt of Check indicator in the Nature of Connection In check required on this circuit sending of IN	ndicators parameter which is set to "continuity			
	INVITE message shall not be sent after the Continuity message was received with the Continuity Indicators parameter set to "continuity check failed".				
	On receipt of a SAM from the ISUP the SUT s	hall:			
	1) Stop timer TOIW3 (if it is running).				
	2) TOIW2 shall be restarted.				
SIP Parameter values:					
ISUP Parameter values:					
Comments:	ISUP SUT IAM → SAM → COT	SIP			

TP302007	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1					
TCC reference:							
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invit	e nas been sent					
SIP selection	PICS 3/2 AND NOT PICS 4/20						
criteria:							
ISUP selection	PICS 1/5 AND PICS 4/2						
criteria:	<u> </u>						
Test purpose:	Ensure that the SUT in Idle state, on receipt of Check indicator in the Nature of Connection In check required on this circuit sending of IN INVITE shall not be sent after the ISUP timer on receipt of a SAM from the ISUP the SUT states of the Sut	dicators parameter which is set to " <i>continuity</i> VITE is delayed. T8 expires.					
SIP Parameter							
values:							
ISUP Parameter	-						
values:							
Comments:	ISUP SUT	SIP					
Comments.	IAM →	Sii					
	SAM →						
	JAIVI 7						
	T8 e.	xpires					
	REL ←						
	RLC →						

TP302009	SIP r	eference: RFC 3261 [6]		reference: 12.5 [1], clause 7.2.1		
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent					
SIP selection		D PICS 4/7 AND PICS 4/20	e nas been sent			
criteria:						
ISUP selection	PICS 1/5 AN	D PICS 4/2				
criteria:						
Test purpose:	Check indica	he SUT in Idle state, on receipt or tor in the Nature of Connection In red on this circuit.				
	Indicators pa	VITE message after the reception rameter set to "continuity checks are met in the SIP network.				
	On receipt of	a SAM from the ISUP the SUT s	hall:			
	1) Sto	p timer TOIW3 (if it is running).				
	2) TO	IW2 shall be restarted and the SU	T shall invoke the fo	llowing procedures:		
	a)	The Request-URI and the To he digits received so far for this cal		INVITE shall contain all		
	b)	A new INVITE with the same C previous INVITE is sent.	all-ID and From head	ler (including tag) as the		
	c)	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.					
SIP Parameter						
values:						
ISUP Parameter values:						
Comments:	The O-IWU should initiate the precondition signalling procedure using the SDP Offer in the INVITE. The precondition signalling is concluded upon sending (within an SDP offer-answer exchange) the confirmation of a precondition being met. The SDP Offer or Answer carrying the confirmation of a precondition being met is sent when the conditions to send a INVITE message are satisfied.					
	ISUP	SUT		SIP		
	IAM	→	→	INVITE		
	SAM	→	-	· -		
	СОТ	→	+	183 Session Progress UPDATE		
	SAM		← →	200 OK UPDATE INVITE		

TP3020010	SIP r	eference: RFC 3261 [6]		reference: 12.5 [1], clause 7.2.1		
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent					
SIP selection criteria:	PICS 3/2 AND PICS 4/7 AND PICS 4/20					
ISUP selection criteria:	PICS 1/5 AN	D PICS 4/2				
Test purpose:	Check indica	the SUT in Idle state, on receipt on the Nature of Connection In the Nature of Connection In treed on previous circuit,				
	Indicators pa	VITE message after the receptior trameter set to " <i>continuity checl</i> s are met in the SIP network.				
	On receipt of	a SAM from the ISUP the SUT s	hall:			
	1) Sto	p timer TOIW3 (if it is running).				
	2) TO	W2 shall be restarted and the SL	JT shall invoke the follo	owing procedures:		
	a)	The Request-URI and the To he digits received so far for this cal		NVITE shall contain all		
	b)	 A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 				
	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.					
	d)	All other contents of the new INVITE are interworked from the parameters of the original IAM.				
SIP Parameter values:						
ISUP Parameter values:						
Comments:	The O-IWU should initiate the precondition signalling procedure using the SDP Offer in the INVITE. The precondition signalling is concluded upon sending (within an SDP offer-answer exchange) the confirmation of a precondition being met. The SDP Offer or Answer carrying the confirmation of a precondition being met is sent when the conditions to send a INVITE message are satisfied.					
	ISUP	SUT		SIP		
	IAM	→	→	INVITE		
	SAM	→	•			
	СОТ	→	← →	183 Session Progress UPDATE		
	SAM	→	← →	200 OK UPDATE INVITE		

TP3020011		SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1			
TSS reference:	ISUP-SI	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent				
SIP selection criteria:	PICS 3/2	2 AND NOT PICS 4/20				
ISUP selection criteria:	PICS 1/4	4 AND NOT PICS 4/2				
Test purpose:	Ensure t		ceipt of an IAM message indicating "COT to be			
	The sen	nding of the INVITE is delayed ur	ntil all the following conditions are satisfied:			
	•	Continuity message, with the C shall be received.	Continuity Indicators parameter set to "continuity"			
	•	Bearer Set-up indication – for t Connect Type is "notification no	the forward bearer set-up case where the incoming not required" was received.			
	On rece	ipt of a SAM from the BICC the	SUT shall:			
	1)	1) Stop timer TOIW3 (if it is running).				
	2)	TOIW2 shall be restarted and t	the SUT shall invoke the following procedures:			
	а	The Request-URI and the digits received so far for the	e To header field of the new INVITE shall contain all his call.			
	 A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 					
	c	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.					
SIP Parameter						
values:						
ISUP Parameter						
values:	DIOC		OUT			
Comments:	BICC	•	SUT SIP			
	IAM	→				
	_	-	→ INVITE			
		→				
	SAM COT SAM	→ → →	→ INVITE → INVITE			

TP3020012	SIP	reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1			
TSS reference:		asic call/Receipt of SAM after invi	te has been sent			
SIP selection criteria:	PICS 3/2 Af	ND NOT PICS 4/20				
ISUP selection criteria:	PICS 1/4 AN	ND PICS 4/2				
Test purpose:	Ensure that expected".	the SUT in Idle state, on receipt of	of an IAM message indicating "COT to be			
	The sending	g of the INVITE is delayed until all	the following conditions are satisfied:			
		ontinuity message, with the Contin all be received.	uity Indicators parameter set to "continuity"			
	(w		nnected" – for the forward bearer set-up cases elling) where the incoming Connect Type is st set-up (backward) case.			
	On receipt of	of a SAM from the BICC the SUT s	shall:			
	1) Sto	op timer TOIW3 (if it is running).				
	TOIW2 shall be restarted and the SUT shall invoke the following procedures:					
	a)	 The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 				
	b)	b) A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent.				
	c)	The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
	d)	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.				
SIP Parameter values:						
ISUP Parameter values:						
Comments:	BICC IAM SAM	SUT → →	SIP			
	COT SAM	→ →	→ INVITE → INVITE			

TP3020013	SIP	reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1			
TSS reference:	ISUP-SIP/B	asic call/Receipt of SAM after invit	e has been sent			
SIP selection criteria:	PICS 3/2 Af	ND NOT PICS 4/20				
ISUP selection criteria:	PICS 1/4 AN	ND PICS 4/2				
Test purpose:	Ensure that expected".	the SUT in Idle state, on receipt o	f an IAM message indicating "COT to be			
	The sending	g of the INVITE delays until all the	following conditions are satisfied:			
		entinuity message, with the Continual be received.	uity Indicators parameter set to "continuity"			
		arer Set-up Connect indication – foeived.	or the backward bearer set-up case was			
	On receipt of	of a SAM from the BICC the SUT s	hall:			
	1) Sto	op timer TOIW3 (if it is running).				
	2) TC	DIW2 shall be restarted and the SU	IT shall invoke the following procedures:			
	a)	The Request-URI and the To he digits received so far for this cal	ader field of the new INVITE shall contain all .			
	b)	 b) A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 				
	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.					
	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.					
SIP Parameter						
values:						
ISUP Parameter						
values: Comments:	BICC	SUT	SIP			
Comments:	IAM	→ →	SIP			
	SAM	→				
	COT	→	→ INVITE			
	SAM	→	→ INVITE			

TP3020014	SIP	reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1			
TSS reference:	ISUP-SIP/B	asic call/Receipt of SAM after invit	te has been sent			
SIP selection criteria:	PICS 3/2 AN	ND NOT PICS 4/20				
ISUP selection criteria:	PICS 1/4 AN	ND PICS 4/2				
Test purpose:	Ensure that expected".	the SUT in Idle state, on receipt o	f an IAM message indicating "COT to be			
	The sending	of the INVITE delays until all the	following conditions are satisfied:			
		ntinuity message, with the Continureceived.	uity Indicators parameter set to "continuity" shall			
		IC set-up success indication for ca eived.	ases using bearer control tunnelling was			
	On receipt o	f a SAM from the BICC the SUT s	hall:			
	1) Sto	op timer TOIW3 (if it is running).				
	2) TO	IW2 shall be restarted and the SU	JT shall invoke the following procedures:			
	 a) The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 					
	 A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 					
	c)	The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
	d)	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.				
SIP Parameter values:						
ISUP Parameter values:						
Comments:	BICC IAM SAM	SUT → →	SIP			
	COT SAM	→ →	→ INVITE → INVITE			

TP3020015	SIP	reference: RFC 3261 [6]		reference: 012.5 [1], clause 7.2.1			
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent						
SIP selection		ID PICS 4/7 AND PICS 4/20					
criteria:							
ISUP selection	PICS 1/4 AN	ID PICS 4/2					
criteria:							
Test purpose:	Ensure that expected".	the SUT in Idle state, on receipt o	f an IAM message inc	licating "COT to be			
	Sends the IN	NVITE message. The events					
		ntinuity message, with the Continuelived;	ity Indicators parame	ter set to " <i>continuity</i> " was			
		arer Set-up indication – for the for nnect Type is " notification not re					
	are indicatin	g the successful completion of be	arer set-up.				
	On receipt o	f a SAM from the BICC the SUT s	shall:				
	1) Sto	op timer TOIW3 (if it is running).					
		IW2 shall be restarted and the SL					
	 a) The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 						
	b)	A new INVITE with the same Caprevious INVITE is sent.	all-ID and From heade	er (including tag) as the			
	c)	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.					
	d)	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.					
SIP Parameter values:							
ISUP Parameter values:							
Comments:	The O-IWU should initiate the precondition signalling procedure using the SDP Offer in the INVITE. The precondition signalling is concluded upon sending (within an SDP offer-answer exchange) the confirmation of a precondition being met. The SDP Offer or Answer carrying the confirmation of a precondition being met is sent when the conditions to send a INVITE message are satisfied.						
	BICC IAM SAM	IAM → INVITE					
	СОТ	→	← →	183 Session Progress UPDATE			
	SAM	→	← →	200 OK UPDATE INVITE			

TP3020016	SIP	reference: RFC 3261 [6]		reference: 12.5 [1], clause 7.2.1		
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent					
SIP selection		ND PICS 4/7 AND PICS 4/20	to had boom bone			
criteria:						
ISUP selection	PICS 1/4 AN	ND PICS 4/2				
criteria:						
Test purpose:	Ensure that expected".	the SUT in Idle state, on receipt o	f an IAM message ind	licating "COT to be		
	Sends the II	NVITE message. The events:				
		ntinuity message, with the Continuctived;	ity Indicators paramet	ter set to " continuity " was		
	(wi	M with Action indicator set to "Co th, or without bearer control tunne otification required", and for the fas	elling) where the incom	ning Connect Type is		
	are indicatin	g the successful completion of be	arer set-up.			
	On receipt of	of a SAM from the BICC the SUT s	shall:			
	1) Sto	op timer TOIW3 (if it is running).				
	2) TO	NW2 shall be restarted and the SU	JT shall invoke the foll	owing procedures:		
	a)	The Request-URI and the To he digits received so far for this ca		INVITE shall contain all		
	b)	A new INVITE with the same Caprevious INVITE is sent.	all-ID and From heade	er (including tag) as the		
	c)	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.				
	d)	d) All other contents of the new INVITE are interworked from the parameters of the original IAM.				
SIP Parameter values:						
ISUP Parameter						
values:						
Comments:	The O-IWU should initiate the precondition signalling procedure using the SDP Offer in the INVITE. The precondition signalling is concluded upon sending (within an SDP offer-answer exchange) the confirmation of a precondition being met. The SDP Offer or Answer carrying the confirmation of a precondition being met is sent when the conditions to send a INVITE message are satisfied.					
	BICC IAM SAM	SUT → →	→	SIP INVITE		
	COT	→	← →	183 Session Progress UPDATE		
	SAM	→	← →	200 OK UPDATE INVITE		

TP3020017	SIP	reference: RFC 3261 [6]		P reference:
				912.5 [1], clause 7.2.1
TSS reference:		Basic call/Receipt of SAM after invi	te has been sent	
SIP selection criteria:		ND PICS 4/7 AND PICS 4/20		
ISUP selection criteria:	PICS 1/4 A	ND PICS 4/2		
Test purpose:	Ensure that	t the SUT in Idle state, on receipt o	f an IAM message in	dicating "COT to be
		expected".		
	Sends the I	NVITE message. The events:		
		ontinuity message, with the Continuceived;	ity Indicators parame	eter set to " <i>continuity</i> " was
		earer Set-up Connect indication – f ceived.	or the backward bea	rer set-up case was
	are indication	ng the successful completion of be	arer set-up.	
	On receipt	of a SAM from the BICC the SUT s	hall:	
	1) St	top timer TOIW3 (if it is running).		
	2) TO	2) TOIW2 shall be restarted and the SUT shall invoke the following procedures:		
	a)	 The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 		
	b)	 A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 		
	c)	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.		
	d)	All other contents of the new INV original IAM.	ITE are interworked	from the parameters of the
SIP Parameter values:				
ISUP Parameter values:				
Comments:	The O-IWU should initiate the precondition signalling procedure using the SDP Offer in the INVITE. The precondition signalling is concluded upon sending (within an SDP offer-answer exchange) the confirmation of a precondition being met. The SDP Offer or Answer carrying the confirmation of a precondition being met is sent when the conditions to send a INVITE message are satisfied.			
	BICC IAM SAM	SUT →	→	SIP INVITE
	COT	→	← →	183 Session Progress UPDATE
	SAM	- →	← →	200 OK UPDATE INVITE

TP3020018	SIP	reference: RFC 3261 [6]		reference: 12.5 [1], clause 7.2.1
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent			
SIP selection		ND PICS 4/7 AND PICS 4/20		
criteria:				
ISUP selection	PICS 1/4 A	ND PICS 4/2		
criteria:				
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing indicating "COT to be expected".			
	Sends the	NVITE message. The events:		
		ontinuity message, with the Continuceived;	uity Indicators paramete	er set to " continuity " was
		NC set-up success indication for caceived.	ases using bearer cont	rol tunnelling was
	are indicati	ng the successful completion of be	arer set-up.	
	On receipt	of a SAM from the BICC/ISUP the	SUT shall:	
		1) Stop timer TOIW3 (if it is running).		
	ĺ	2) TOIW2 shall be restarted and the SUT shall invoke the following procedures:		
	a)	 The Request-URI and the To header field of the new INVITE shall contain all digits received so far for this call. 		
	b)	 A new INVITE with the same Call-ID and From header (including tag) as the previous INVITE is sent. 		
	c) The new INVITE shall contain a new SDP offer. The O-IWU may re-use any resources that have already been reserved for this call. This re-use of existing reserved resources shall be reflected within the precondition attributes for the SDP parameters in question.			
	d)	All other contents of the new INV original IAM.	ITE are interworked fro	om the parameters of the
SIP Parameter				
values:				
ISUP Parameter				
values:	Th - O 04"	Laborated todates also the Professional Control of the Profession and		4b ODD O# ' ' '!
Comments:	The O-IWU should initiate the precondition signalling procedure using the SDP Offer in the INVITE. The precondition signalling is concluded upon sending (within an SDP offer-answer exchange) the confirmation of a precondition being met. The SDP Offer or Answer carrying the confirmation of a precondition being met is sent when the conditions to send a INVITE message are satisfied.			
	BICC IAM	SUT →	→	SIP INVITE
	SAM	→	L	
	СОТ	→	← → ←	183 Session Progress UPDATE 200 OK UPDATE
	SAM	→	→	INVITE

TP3020019	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.2.1		
TSS reference:	ISUP-SIP/Basic call/Receipt of SAM after invite has been sent			
SIP selection	PICS 3/2	-		
criteria:				
ISUP selection	PICS 1/4			
criteria:				
Test purpose:	The SUT in Idle state, on receipt of an IAM me	essage sends a INVITE message.		
	On receipt of a SAM from the BICC/ISUP the S	SUT shall:		
	1) Stop timer TOIW3 (if it is running).	Stop timer TOIW3 (if it is running).		
	2) TOIW2 shall be restarted and the SUT shall invoke the following procedures:			
	a) ensure that if timer TOIW2 has expired, subsequent SAMs received;			
	b) after the SUT has sent the INVITE are ignored.			
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	ISUP SUT			
	IAM →	→ INVITE		
	SAM →	→ INVITE		
		₂ expired		
	SAM →			

6.2.2.3 Sending of the ACM message

TP303001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) a 7.3.1) and
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage	
SIP selection criteria:	PICS 1/1 AND PICS 3/1	•	
ISUP selection criteria:	PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication:		
	 Sends the INVITE message to called user. Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN". 		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: interworking encountered (1) ISUP indicator: ISUP not used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT		
	IAM →	→ INVITE	
	ACM ←		

TP303002	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) a) and	
		7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage	
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND NOT PICS 1/9		
ISUP selection criteria:	PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication:		
	Sends the INVITE message to called user.		
	• Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10) interworking indicator: INT_IND_VAL (PIXIT)		
	ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	SIP	
	IAM -	→ INVITE	
	ACM ←		

TP303003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) b) and	
T00 (IOLID OID /Daria and // Orandia and file a AOM and	7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me	ssage	
SIP selection	PICS 1/1 AND PICS 3/1		
criteria:			
ISUP selection	PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt o number of digits used in the national numbering		
	Sends the INVITE message to the called user.		
	Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter			
values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP not used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
	ACM ←		

TP303004	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) b) and	
TCC references	ICLUDIO ID (Desis estil/ Oscadio as ef the AOM asse	7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM mes	ssage	
SIP selection	PICS 1/2 AND PICS 3/1		
criteria:			
ISUP selection	PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of		
	number of digits used in the national numbering	ng plan:	
	Sends the INVITE message to called	user.	
		PS indicator set to "no indication (00)", the	
	Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the		
	ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to		
	"ISDN_ACC_IND_VAL".		
	IODIN_NOO_IIND_VALE.		
SIP Parameter			
values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT)		
	ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
	ACM ←		

TP303005	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) c) and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage	
SIP selection	PICS 1/1 AND PICS 3/1		
criteria:			
ISUP selection	PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party: • Sends the INVITE message to the called user. • Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
741400.	Called party's category indicator: no indication (00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP not used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT		
	IAM →	→ INVITE	
	ACM ←		

TP303006	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) c) and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage	
SIP selection criteria:	PICS 1/2 AND PICS 3/1		
ISUP selection criteria:	PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party: • Sends the INVITE message to called user. • Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM: Called party number: complete number		
values:	IAM; Called party number: complete number ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indicate (10) interworking indicator: INT_IND_VAL (PIXITISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VA	L (PIXIT)	
Comments:	ISUP SUT IAM → ACM ←	SIP → INVITE	

TP303007	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) d), 7.3.1 and 7.4		
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage		
SIP selection	PICS 1/1 AND PICS 3/1			
criteria:				
ISUP selection criteria:				
Test purpose:	Called party's category indicator s (01)" or "payphone (10)", the interwo	ss signalling is determined by the expiration ress message: alled user. PS indicator set to "no indication (00)", the set to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking r set to "ISUP not used all the way", the ISDN		
SIP Parameter values:				
ISUP Parameter	IAM; Called party number: complete number	•		
values:	ACM, CPS indicator: no indication (00)			
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone			
	(10)			
	interworking indicator: interworking encountered (1)			
		ISUP indicator: ISUP not used all the way		
	ISDN access indicator: "terminating access			
Comments:	ISUP SUT	Γ SIP		
	IAM →	avaim.		
		W1 expiry		
	ACM ←	→ INVITE		

TP303008	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) d), 7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	sage	
SIP selection	PICS 1/2 AND PICS 3/1		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Called party's category indicator s	ess signalling is determined by the expiration ess message: user. user. user properties properti	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator : no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT)		
	ISUP indicator: ISUP_IND_ID (PIXIT)	. (20)(2)	
	ISDN access indicator: ISDN_ACC_IND_VA	, ,	
Comments:	ISUP SUT	SIP	
	IAM →	ovnirv	
	0	V1 expiry	
	ACM ←	→ INVITE	

TP3030010	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM message		
SIP selection	PICS 1/2 AND PICS 3/2		
criteria:			
ISUP selection			
criteria:			
Test purpose:	 an IAM message containing the minimum numbeen received (start timer TOIW2 and invoked procedure): Sends an INVITE message to the called Sends the ACM message with the CPS in party's category indicator set to "no incompayphone (10)", the interworking indicator 	the appropriate outgoing SIP signalling	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indicate (10) interworking indicator: INT_IND_VAL (PIXIT ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VA	•	
Comments:	ISUP SUT	SIP	
	IAM →		
	SAM	N. 0.475	
	SAM →	→ INVITE	
		_{V2} expiry	
	ACM	+	

TP3030011	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) a) and	
		7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage	
SIP selection	PICS 1/1 AND PICS 3/1		
criteria:			
ISUP selection	NOT PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt o		
	called party number and the sending comp	lete indication receipt of a 180 Ringing	
	message:		
	 Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN". 		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
values.	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP not used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	_	
	IAM →	→ INVITE	
	ACM ←	← 180 Ringing	

TP3030012	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) a) and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM me	ssage	
SIP selection	PICS 1/2 AND PICS 3/1		
criteria:			
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication, on receipt of a 180 Ringing message:		
	Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT		
	IAM →	→ INVITE	
	ACM ←	← 180 Ringing	

TP3030013	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) b) and	
		7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me	ssage	
SIP selection	PICS 1/1 AND PICS 3/1		
criteria:			
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum number of digits used in the national numbering plan on receipt of a 180 Ringing message: Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP not used all the way		
Comments	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	SIP	
	IAM ACM ←	→ INVITE	
	ACIVI	← 180 Ringing	

TP3030014	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) b) and	
TCC votovovos	ICUID CID /Decis cell/ Conding of the ACM or	7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM m	nessage	
SIP selection criteria:	PICS 1/2 AND PICS 3/1		
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum number of digits used in the national numbering plan on receipt of a 180 Ringing message: Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT)		
	ISUP indicator: ISUP_IND_ID (PIXIT)		
0	ISDN access indicator: ISDN_ACC_IND_\	,	
Comments:	ISUP SL	· ·	
	IAM →	→ INVITE	
	ACM ←	← 180 Ringing	

SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) c) and		
	7.3.1		
ISUP-SIP /Basic call/ Sending of the ACM me	ssage		
PICS 1/1 AND PICS 3/1			
NOT PICS 4/14			
Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party on receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".			
IAM: Called party number: complete number			
Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone			
(10)			
	interworking indicator: interworking encountered (1)		
	SIP		
	→ INVITE		
ACM +	← 180 Ringing		
	ISUP-SIP /Basic call/ Sending of the ACM me PICS 1/1 AND PICS 3/1 NOT PICS 4/14 Ensure that the SUT in Idle state, on receipt o called party number where the end of addresticated party number to indicate that a sufficient the call to the called party on receipt of a 180 • Sends the ACM message with the C Called party's category indicators (01)" or "payphone (10)", the interver encountered (1)", the ISUP indicator access indicator set to "terminating IAM; Called party number: complete number ACM, CPS indicator: subscriber free (01) Called party's category indicator: no indicate (10) interworking indicator: interworking encount ISUP indicator: ISUP not used all the way ISDN access indicator: "terminating access in ISUP IAM SUT		

TP3030016	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) c) and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me		
SIP selection criteria:	PICS 1/2 AND PICS 3/1		
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party on receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	_	
	IAM → ACM ←	→ INVITE ← 180 Ringing	

TP3030017	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 7.1 1) d),	
	7.3.1 and 7.4		
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM mes	ssage	
SIP selection	PICS 1/1 AND PICS 3/1		
criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by the expiration timer T _{OIW1} after the receipt of the latest address message:		
	 Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN". 		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP not used all the way ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	SIP	
Comments.	IIAM →	SIF	
		₁ expiry	
	ACM ←	→ INVITE	
L	7.0	, IIIVII L	

TP3030018	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) d),	
		7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me	ssage	
SIP selection criteria:	PICS 1/2 AND PICS 3/1		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by the expiration timer T _{OIW1} after the receipt of the latest address message: Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: no indication (00) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	SIP	
	IAM →	ovnin.	
		v ₁ expiry	
	ACM ←	→ INVITE	

TP3030019	SIP reference: RFC 3261 [6]		reference: [1], clauses 7.1, 1 a) and
			7.3.2
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	sage	
SIP selection	PICS 3/1		
criteria:			
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication receipt of a 183 Session Progress: Sends the INVITE message to called user. No BICC/ISUP message is sent backward.		
SIP Parameter			
values:			
ISUP Parameter	IAM; Called party number: complete number		
values:			
Comments:	ISUP SUT	-	SIP
	IAM →	→	INVITE
		+	183 Session Progress

TP3030020	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1 b) and 7.3.2	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me	essage	
SIP selection criteria:	PICS 3/1		
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum number of digits used in the national numbering plan on receipt of a 183 Session Progress: No BICC/ISUP message is sent backward.		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number		
Comments:	ISUP SUT IAM →	SIP → INVITE ← 183 Session Progress	

TP3030021	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1 c) and 7.3.2	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me		
SIP selection criteria:	PICS 3/1	5	
ISUP selection criteria:	NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party on receipt of a 183 Session Progress: No BICC/ISUP message is sent backward.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT	SIP → INVITE ← 183 Session Progress	

TP3030022	SIP reference: RFC 3261 [6]		P reference: 5 [1], clauses 7.1 and 7.3.2
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM message		
SIP selection criteria:	PICS 3/1		
ISUP selection	NOT PICS 4/14		
criteria:	E di di OliTi III di		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by the expiration timer T _{OIW1} after the receipt of the latest address message on receipt of a 183 Session Progress: • No BICC/ISUP message is sent backward.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT SIP		
	IAM →	→	INVITE
	ACM ← T _{OI}	W1 expiry ←	183 Session Progress

TP3030023	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes		
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14		
Test purpose:	 been received. Sends the ACM message with the CF Called party's category indicator so (01)" or "payphone (10)", the interwork. 	indication, and the continuity check is duser. Muntil a successful continuity indication has PS indicator set to "no indication (00)", the set to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking r set to "ISUP not used all the way", the ISDN	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indicati	ion(00) or ordinary subscriber (01) or payphone	
	(10)		
	interworking indicator: interworking encounte	ered (1)	
	ISUP indicator: ISUP used all the way ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT		
	IAM →	→ INVITE	
	COT →	← 183 Session Progress→ UPDATE	
	ACM ←		

TP3030024	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	sage
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 (ISUP) or COT is expected (BICC): Sends the INVITE message to called The SUT shall withhold sending ACN been received. Sends the ACM message with the CI Called party's category indicator s 	user. If until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00)	
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone	
	(10)	-
	interworking indicator: INT_IND_VAL (PIXIT)
	ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)	
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
		← 183 Session Progress
	COT →	→ UPDATE
	ACM ←	

TP3030025	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.	4
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me:		
SIP selection	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND F	PICS 1/20	
criteria:	100 1/1 AND 1 100 3/1 AND 1 100 4/1 AND 1	1100 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14		
Test purpose:	 Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum number of digits used in the national numbering plan and the continuity check is performed (ISUP) or COT is expected (BICC): Sends the INVITE message to called user. The SUT shall withhold sending ACM until a successful continuity indication has been received. Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN". 		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		ne
	(10)		
	interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP used all the way ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT		
	IAM →	→ INVITE	
		← 183 Session Progress	
	COT →	→ UPDATE	
	ACM ←		

TP3030026	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM mes	
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the CI Called party's category indicator s 	user. I until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: no indication (00) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10)	
	interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)	
Comments:	ISUP SUT IAM → COT →	SIP → INVITE ← 183 Session Progress → UPDATE
	ACM ←	

TP3030027	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	
SIP selection	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20
criteria:		
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s (01)" or "payphone (10)", the interwork 	ss signalling is determined by analysis of the t number of digits has been received to route heck is performed (ISUP) or COT is expected. I user. I until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking r set to "ISUP not used all the way", the ISDN
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: interworking encountered (1) ISUP indicator: ISUP used all the way	
	ISDN access indicator: "terminating access r	
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE • 183 Session Progress
	COT →	→ UPDATE
	ACM ←	, OIDAIL
	,	

TP3030028	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	
SIP selection	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20
criteria:		
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s 	ss signalling is determined by analysis of the t number of digits has been received to route heck is performed (ISUP) or COT is expected. I user. I until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)	
Comments:	ISUP SUT	
Comments.	IAM ->	→ INVITE
	·····	← 183 Session Progress
	COT →	→ UPDATE
	ACM ←	

TP3030029	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m		
SIP selection	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20	
criteria:			
ISUP selection criteria:	PICS 4/2		
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s (01)" or "payphone (10)", the interwork 	ess signalling is determined by the expiration less message and the continuity check is I user. I until a successful continuity indication has PS indicator set to "no indication (00)", the let to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking rest to "ISUP not used all the way", the ISDN	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)	. (00)	
		ion(00) or ordinary subscriber (01) or payphone	
	(10) interworking indicator : interworking encount	(10)	
	ISUP indicator: ISUP used all the way	cicu (i)	
	ISDN access indicator: "terminating access r	non-ISDN"	
Comments:	ISUP SUT		
John Homes.	IAM →	→ INVITE	
		← 183 Session Progress	
	COT →	→ UPDATE	
	T _{OIM}	V1 expiry	
	ACM ←		

TP3030030	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	essage
SIP selection	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20
criteria:		
ISUP selection criteria:	PICS 4/2	
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s 	ess signalling is determined by the expiration less message and the continuity check is I user. I until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00)	
		ion(00) or ordinary subscriber (01) or payphone
	(10) interworking indicator: INT_IND_VAL (PIXIT	-
	ISUP indicator: ISUP_IND_ID (PIXIT)	,
	ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)	
Comments:	ISUP SUT	•
	IAM →	→ INVITE
		← 183 Session Progress
	COT →	→ UPDATE
	T _{OIV}	V1 expiry
	ACM ←	

TP3030032	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	
SIP selection	PICS 1/2 AND PICS 3/2 AND PICS 4/7 AND F	PICS 4/20
criteria:		
ISUP selection	PICS 4/2	
criteria:		
Test purpose:	 an IAM message containing the minimum nu has been received (start timer TOIW2 and inverse procedure) and the continuity check is perform The SUT shall withhold sending ACM been received. Sends the ACM message with the Challed party's category indicator set in the sending action. 	oke the appropriate outgoing SIP signalling ned (ISUP) or COT is expected (BICC): Muntil a successful continuity indication has PS indicator set to "no indication (00)", the to "no indication (00)" or "ordinary subscriber rking indicator set to "INT_IND_VAL", the ISUP
SIP Parameter		
values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00)	
		ion(00) or ordinary subscriber (01) or payphone
	(10) interworking indicator: INT_IND_VAL (PIXIT	-\
	ISUP indicator: ISUP_IND_ID (PIXIT)	,
	ISDN access indicator: ISDN_ACC_IND_VA	L (PIXIT)
Comments:	ISUP SUT	•
	IAM →	
	SAM →	→ INVITE
		← 183 Session Progress
	COT →	→ UPDATE
	T _{OI} \	_{V2} expiry
	ACM ←	

TP3030033	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND I	PICS 4/20
ISUP selection criteria:	PICS 4/2 AND NOT PICS 4/14	
Test purpose:	Sends the ACM message with the C Called party's category indicator s (01)" or "payphone (10)", the interwork.	lete, the continuity check is performed (ISUP) or a 180 Ringing message: PS indicator set to "subscriber free (01)", the set to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking r set to "ISUP not used all the way", the ISDN
SIP Parameter values:		
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: "subscriber free (01)" Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: interworking encountered (1) ISUP indicator: ISUP used all the way ISDN access indicator: "terminating access non-ISDN"	
Comments:	ISUP SUT IAM → COT → ACM	SIP → INVITE ← 183 Session Progress → UPDATE ← 180 RINGING
	IVOINI L	ערווטרווא טטו

TP3030034	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND I	PICS 4/20
ISUP selection criteria:	PICS 4/2 AND NOT PICS 4/14	
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".	
SIP Parameter values:		
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: subscriber free (01) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)	
Comments:	ISUP SUT IAM → COT → ACM ←	SIP → INVITE ← 183 Session Progress → UPDATE ← 180 RINGING

TP3030035	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM message	
SIP selection	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND F	PICS 4/20
criteria:		
ISUP selection	PICS 4/2 AND NOT PICS 4/14	
criteria:		
Test purpose:	Sends the ACM message with the Cl Called party's category indicator s (01)" or "payphone (10)", the interwork	ng plan, the continuity check is performed (ISUP) of a 180 Ringing message: PS indicator set to "subscriber free (01)", the let to "no indication(00)" or "ordinary subscriber brking indicator set to "interworking r set to "ISUP not used all the way", the ISDN
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: subscriber free (01)	
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone	
	(10)	
	interworking indicator: interworking encountered (1)	
	ISUP indicator: ISUP used all the way	
Commenter	ISDN access indicator: "terminating access r	
Comments:	ISUP SUT	SIP → INVITE
	IAIVI 7	→ INVITE ← 183 Session Progress
	COT →	→ UPDATE
	ACM ←	€ 180 RINGING
	/ tolvi	100 1(11401140

TP3030036	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1	
		and 7.4	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me	essage	
SIP selection	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND	PICS 4/20	
criteria:			
ISUP selection	PICS 4/2 AND NOT PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of		
		ng plan, the continuity check is performed (ISUP)	
	or COT is expected (BICC) indication receipt	of a 180 Ringing message:	
		370 .	
		CPS indicator set to "subscriber free (01)", the	
		set to "no indication(00)" or "ordinary subscriber	
	(01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the		
	ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to		
	"ISDN_ACC_IND_VAL".		
SIP Parameter			
values:			
ISUP Parameter	IAM; Called party number: complete number	r	
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT)		
	ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT SI	P	
	IAM → INVIT		
		ion Progress	
	COT → UPDA		
	ACM ← ← 180 R	INGING	

TP3030037	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM message		
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND PICS 4/7 AND PICS 4/20		
ISUP selection criteria:	PICS 4/2 AND NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: subscriber free (01) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: interworking encountered (1) ISUP indicator: ISUP used all the way ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT IAM →	SIP → INVITE ← 183 Session Progress	
	COT → ACM ←	→ UPDATE ← 180 RINGING	

TP3030038	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM message		
SIP selection	PICS 1/2 AND PICS 3/1 AND PICS 4/7 AND I		
criteria:			
ISUP selection	PICS 4/2 AND NOT PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number	•	
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
	2007	← 183 Session Progress	
	COT → ACM ←	→ UPDATE ← 180 RINGING	
	ACIVI	T 100 KIINGIING	

TP3030039	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	sage
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the CI Called party's category indicator s (01)" or "payphone (10)", the interwork. 	user. I until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking set to "ISUP not used all the way", the ISDN
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00)	
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone	
	(10)	and (4)
	interworking indicator : interworking encounter ISUP indicator : ISUP used all the way	erea (1)
	ISDN access indicator: "terminating access r	non-ISDN"
Comments:	ISUP SUT	SIP
	IAM →	
	COT →	→ INVITE
	ACM ←	

TP3030040	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	sage
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 (ISUP) or COT is expected (BICC): Sends the INVITE message to called The SUT shall withhold sending ACN been received. Sends the ACM message with the CI Called party's category indicator s 	Indication and the continuity check is performed user. If until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00)	
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone	
	(10)	_
	interworking indicator: INT_IND_VAL (PIXIT ISUP indicator: ISUP_IND_ID (PIXIT))
	ISDN access indicator: ISDN_ACC_IND_VA	I (PIXIT)
Comments:	ISUP SUT	SIP
Johnnents.	IAM →	Oii
	COT →	→ INVITE
	ACM ←	

TP3030041	SIP reference: RFC 3261 [6]	ISU	P reference:
		ITU-T Rec Q.1912	2.5 [1], clauses 7.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM message		
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20		
ISUP selection criteria:	PICS 4/2 AND PICS 4/14		
Test purpose:	 Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum number of digits used in the national numbering plan and the continuity check is performed (ISUP) or COT is expected (BICC): Sends the INVITE message to called user. The SUT shall withhold sending ACM until a successful continuity indication has been received. Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN". 		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: no indication (00) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: interworking encountered (1) ISUP indicator: ISUP used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT		SIP
	IAM → COT →	→	INVITE
	ACM ←		

TP3030042	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM mes	ssage
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s 	user. If until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter	IAM; Called party number: complete number	
values:	ACM, CPS indicator: no indication (00)	
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone	
	(10) interworking indicator: INT_IND_VAL (PIXIT	,
	ISUP indicator: ISUP_IND_ID (PIXIT)	,
	ISDN access indicator: ISDN_ACC_IND_VA	L (PIXIT)
Comments:	ISUP SUT	
	IAM →	
	COT →	→ INVITE
	ACM ←	

TP3030043	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the CI Called party's category indicator s (01)" or "payphone (10)", the interwork. 	ss signalling is determined by analysis of the toumber of digits has been received to route heck is performed (ISUP) or COT is expected user. If until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking rest to "ISUP not used all the way", the ISDN
SIP Parameter values:		
ISUP Parameter values:	(10) interworking indicator: interworking encounted ISUP indicator: ISUP used all the way ISDN access indicator: "terminating access recognitions of the indicator in the indica	ion(00) or ordinary subscriber (01) or payphone ered (1) non-ISDN"
Comments:	ISUP SUT IAM	SIP → INVITE

TP3030044	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	essage
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20	
ISUP selection criteria:	PICS 4/2 AND PICS 4/14	
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s 	es signalling is determined by analysis of the trumber of digits has been received to route neck is performed (ISUP) or COT is expected user. If until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the
SIP Parameter values:		
ISUP Parameter values:	(10) interworking indicator: INT_IND_VAL (PIXIT ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VA	ion(00) or ordinary subscriber (01) or payphone) L (PIXIT)
Comments:	ISUP SUT IAM → COT → ACM ←	SIP → INVITE

TP3030045	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1	
		and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	essage	
SIP selection	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20		
criteria:			
ISUP selection criteria:	PICS 4/2		
Test purpose:	 been received. Sends the ACM message with the CI Called party's category indicator s (01)" or "payphone (10)", the interwork. 	user. I until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "interworking set to "ISUP not used all the way", the ISDN	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10) interworking indicator: interworking encountered (1)		
	ISUP indicator: ISUP used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	SIP	
	IAM →		
	COT →	→ INVITE	
	•	_{/1} expiry	
	ACM ←		

TP3030046	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1	
		and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	essage	
SIP selection	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20		
criteria:			
ISUP selection criteria:	PICS 4/2		
Test purpose:	 been received. Sends the ACM message with the Cl Called party's category indicator s 	user. If until a successful continuity indication has PS indicator set to "no indication (00)", the et to "no indication(00)" or "ordinary subscriber orking indicator set to "INT_IND_VAL", the	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)	a.	
	interworking indicator: INT_IND_VAL (PIXIT)	
	ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VA	I (PIXIT)	
Comments:	ISUP SUT	SIP	
Johnnents.	IAM →	Oil	
	COT →	→ INVITE	
	T _{OIW}	1 expiry	
	ACM ←	•	

TP3030047	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the INVITE m	essage	
SIP selection criteria:	PICS 1/2 AND PICS 3/2 AND NOT PICS 4/20		
ISUP selection criteria:	PICS 3/8 AND PICS 4/2		
Test purpose:	 an IAM message containing the minimum numer has been received (start timer TOIW2 and involved in the procedure) and the continuity check is perform. The SUT shall withhold sending ACM been received. Sends the ACM message with the CF Called party's category indicator set to the sending action. 	oke the appropriate outgoing SIP signalling led (ISUP) or COT is expected (BICC): If until a successful continuity indication has PS indicator set to "no indication (00)", the loo "no indication(00)" or "ordinary subscriber risking indicator set to "INT_IND_VAL", the ISUP	
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator : no indication(00) or ordinary subscriber (01) or payphone		
	(10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VA		
Comments:	ISUP SUT	SIP	
	IAM →		
	SAM →	- INIVITE	
	2	→ INVITE	
		_{V2} expiry	
	ACM ←		

TP3030048	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	sage	
SIP selection criteria:	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20		
ISUP selection criteria:	PICS 4/2 AND NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: subscriber free (01) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: interworking encountered (1) ISUP indicator: ISUP used all the way ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	SIP	
	IAM	→ INVITE	

TP3030049	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM mes	ssage	
SIP selection criteria:	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20		
ISUP selection criteria:	PICS 4/2 AND NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter values:	IAM; Called party number: complete number ACM, CPS indicator: subscriber free (01) Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	SIP	
	COT → ACM ←	→ INVITE	

TP3030050	SIP reference: RFC 3261 [6]	ISUP reference:	
T00 (10115 015 /5 : 11/0 1: (1/4 004	ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.4	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM mes	ssage	
SIP selection	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20		
criteria:			
ISUP selection	PICS 4/2 AND NOT PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the maximum number of digits used in the national numbering plan, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: interworking encountered (1) ISUP indicator: ISUP used all the way		
	ISDN access indicator: "terminating access non-ISDN"		
Comments:	ISUP SUT	SIP	
	IAM →		
	COT →	→ INVITE	
	ACM ←		

TP3030051	SIP reference: RFC 3261 [6]	ISUP reference:	
1 - 3030031	Sir feference. NPC 3201 [0]	ITU-T Rec Q.1912.5 [1], clauses 7.1, 7.3.1	
		and 7.4	
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM me	411141 1111	
SIP selection	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20	ssage	
criteria:	FIGS 1/2 AIND FIGS 3/1 AIND NOT FIGS 4/20		
ISUP selection	PICS 4/2 AND NOT PICS 4/14		
	PIGS 4/2 AND NOT PIGS 4/14		
criteria:	E did OUT: III		
Test purpose:	Ensure that the SUT in Idle state, on receipt o		
		g plan, the continuity check is performed (ISUP)	
	or COT is expected (BICC) indication receipt of	of a 180 Ringing message:	
		PS indicator set to "subscriber free (01)", the	
		et to "no indication(00)" or "ordinary subscriber	
		orking indicator set to "INT_IND_VAL", the	
	ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to		
	"ISDN_ACC_IND_VAL".		
017.7			
SIP Parameter			
values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT	·)	
	ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VA	L (PIXIT)	
Comments:	ISUP SUT	SIP	
	IAM →		
	COT →	→ INVITE	
1	ACM ←		

TP3030052	SIP reference: RFC 3261 [6]		IP reference:
		ITU-T Rec Q.1912	2.5 [1], clause 7.1 and 7.3.1
TSS reference:	ISUP-SIP /Basic call/ Sending of the ACM message		
SIP selection	PICS 1/1 AND PICS 3/1 AND NOT PICS 4/20		
criteria:			
ISUP selection	PICS 4/2 AND NOT PICS 4/14		
criteria:			
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)	l (4)	
	interworking indicator: interworking encount	erea (1)	
	ISUP indicator: ISUP used all the way	on ISDN"	
Comments:	ISDN access indicator: "terminating access r		SIP
Comments:	IIAM →		SIF
	COT →	→	INVITE
	ACM ←	•	HAVIIL
	ACM ←		

TP3030053	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.3.1	
TSS reference:	ICLID CID /Dagin call/ Conding of the ACM ma		
	ISUP-SIP /Basic call/ Sending of the ACM me		
SIP selection	PICS 1/2 AND PICS 3/1 AND NOT PICS 4/20		
criteria:	DIGG 4/2 AND NOT DIGG 4/44		
ISUP selection criteria:	PICS 4/2 AND NOT PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number where the end of address signalling is determined by analysis of the called party number to indicate that a sufficient number of digits has been received to route the call to the called party, the continuity check is performed (ISUP) or COT is expected (BICC) indication receipt of a 180 Ringing message: • Sends the ACM message with the CPS indicator set to "subscriber free (01)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "INT_IND_VAL", the ISUP indicator set to "ISUP_IND_ID", the ISDN access indicator set to "ISDN_ACC_IND_VAL".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: subscriber free (01)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone		
	(10)		
	interworking indicator: INT_IND_VAL (PIXIT		
	ISUP indicator: ISUP_IND_ID (PIXIT)		
	ISDN access indicator: ISDN_ACC_IND_VA		
Comments:	ISUP SUT	SIP	
	IAM →		
	COT →	→ INVITE	
	ACM ←		

TP3030054	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.1, 1) a) and 7.3.1	
TSS reference:	ISUP-SIP /Basic call/Sending of the ACM me	essage	
SIP selection criteria:	PICS 1/2 AND PICS 1/9 AND PICS 3/1		
ISUP selection criteria:	PICS 4/14		
Test purpose:	Ensure that the SUT in Idle state, on receipt of an IAM message containing the complete called party number and the sending complete indication: Sends the INVITE message to called user. Sends the ACM message with the CPS indicator set to "no indication (00)", the Called party's category indicator set to "no indication(00)" or "ordinary subscriber (01)" or "payphone (10)", the interworking indicator set to "interworking encountered (1)", the ISUP indicator set to "ISUP not used all the way", the ISDN access indicator set to "terminating access non-ISDN".		
SIP Parameter values:			
ISUP Parameter	IAM; Called party number: complete number		
values:	ACM, CPS indicator: no indication (00)		
	Called party's category indicator: no indication(00) or ordinary subscriber (01) or payphone (10) interworking indicator: INT_IND_VAL (PIXIT) ISUP indicator: ISUP_IND_ID (PIXIT) ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
Comments:	ISUP SUT	_	
	ACM +	→ INVITE	

6.2.2.4 Sending of the CPG message

TP304001	SIP reference: RFC 3261 [6]	ISUP reference:	
TSS reference:	ICLID CID /Designal/ Conding of the CDC m	ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.3.1	
	ISUP-SIP /Basic call/ Sending of the CPG me	essage	
SIP selection	PICS 3/1		
criteria:			
ISUP selection criteria:			
	Francisco that the CLIT having count a ACM rea		
Test purpose:		ssage with called party status "no indication" on	
	receipt of a 180 Ringing message:		
	Sends the CPG message with the with the event indicator set to "Alerting".		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SU	Γ SIP	
	IAM →	→ INVITE	
	T _O	W1 expiry	
	ACM ←		
	CPG ←	← 180 Ringing	

TP304002	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clauses 7.1 and 7.3.1
TSS reference:	ISUP-SIP /Basic call/ Sending of the CPG me	ssage
SIP selection	PICS 3/1	-
criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that the SUT, having sent a ACM mes receipt of a 183 Session progress message: No BICC/ISUP message is sent back	sage with called party status "no indication" on ward.
SIP Parameter values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
	_	_{V1} expiry
	ACM ←	← 183 Session progress

6.2.2.5 Sending of the ANM message

TP305001	SIP reference: RFC 32	261 [6]	ISUP reference:
			ITU-T Rec Q.1912.5 [1], clause 7.5
TSS reference:	ISUP-SIP/Basic call/ Sending of	of the Answer M	Message (ANM)/
SIP selection			
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT having se	nt the ACM me	essage, on receipt of a 200 OK INVITE for this
	call, it shall stop timer TOIW2 (if running):	
	Send ANM as determined by BICC/ISUP procedures.		
	Stop any existing awaiting answer indication (e.g. ringing tone).		
010.0	200 014 1111 (175		
SIP Parameter	200 OK INVITE;		
values:			
ISUP Parameter	ANM;		
values:			
Comments:	ISUP	SUT	SIP
	IAM →		→ INVITE
	ACM ←		← 180 Ringing
	ANM ←		← 200 OK INVITE

6.2.2.6 Sending of the CON message

TP306001	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], clauses 7.5 and		
		7.5.1		
TSS reference:	ISUP-SIP/Basic call/ Sending of the Connect	Message (CON)/		
SIP selection	PICS 1/1	'1		
criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT, having not sent the ACM for this call, it shall stop timer TOIW2 (if running)			
	Send CON as determined by BICC/ISU	P procedures.		
	Stop any existing awaiting answer indication ((e.g. ringing tone) BCI encoded as followed:		
	Interworking indicator: interworking	Interworking indicator: interworking encountered		
	ISUP indicator: ISUP not used all the	ISUP indicator: ISUP not used all the way		
	ISDN access indicator: terminating	ISDN access indicator: terminating access non-ISDN		
	CPS indicator: no indication	CPS indicator: no indication		
SIP Parameter values:	200 OK INVITE;			
ISUP Parameter values:	CON; Interworking indicator: interworking	g encountered		
	ISUP indicator: ISUP not used all the way			
	ISDN access indicator: terminating	ISDN access indicator: terminating access non-ISDN		
	CPS indicator: no indication			
Comments:	ISUP SUT	SIP		
	IAM →	→ INVITE		
	CON +	← 200 OK INVITE		

TP306002	5	SIP reference: RFC 3261 [6]	ITU-T Rec Q.1912	reference: .5 [1], clauses 7.5 and
TSS reference:	ISLID CI	P/Basic call/ Sending of the Connect N		7.5.1
SIP selection	PICS 1/2	<u> </u>	viessage (CON)/	
criteria:	1 100 1/2	4		
ISUP selection criteria:				
Test purpose:		re that the SUT, having not sent the ACM message, on receipt of a 200 OK INVITE is call, it shall stop timer TOIW2 (if running): Send CON as determined by BICC/ISUP procedures.		
	Stop any	ny existing awaiting answer indication (e.g. ringing tone) BCI encoded as followed:		
		interworking indicator: INT_IND_VAL (PIXIT)		
		ISUP indicator: ISUP_IND_ID (PIXIT)		
		ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
		CPS indicator: no indication		
SIP Parameter values:	200 OK	INVITE;		
ISUP Parameter	CON;	interworking indicator: INT_IND_V	AL (PIXIT)	
values:		ISUP indicator: ISUP_IND_ID (PIXIT)		
		ISDN access indicator: ISDN_ACC_IND_VAL (PIXIT)		
		CPS indicator: no indication		
Comments:	ISUP	SUT		SIP
	IAM)	→	INVITE
	CON	+	<u>+</u>	200 OK INVITE

6.2.2.7 Receipt of the Release message (REL)

TP307101	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 7.7.1, 1)	
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release m	nessage (REL)/	
SIP selection criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM but before an INVITE has been sent. On receipt of a REL message: no action is required on the SIP side other than to terminate local procedures if any are in progress.		
SIP Parameter values:			
ISUP Parameter values:	REL: cause value: CV_ISUP (PIXIT) location: LOC_ISUP (PIXIT)		
Comments:	ISUP SUT IAM → REL →	SIP	
	RLC +		

TP307102	SIP reference: RFC 3261 [6]		reference:		
TSS reference:	ITU-T Rec Q.1912.5 [1], clause 7.7.1, 2) ISUP-SIP/Basic call/ Receipt of the Release message (REL)/				
SIP selection	NOT PICS 4/15	iocoago (i tee)			
criteria:					
ISUP selection					
criteria:					
Test purpose:	Ensure that the SUT after receiving the IAM with the complete called party number, sending an INVITE message. On receipt of a REL message <u>before</u> a 200 OK (any) response message has been received which establishes a confirmed dialogue: The SUT shall hold the REL message until a SIP 200 OK INVITE response has been received. The SUT shall send a BYE request.				
SIP Parameter values:					
ISUP Parameter					
values:					
Comments:	ISUP SUT		SIP		
	IAM →	→	INVITE		
	REL → RLC ←				
	The state of the s	←	200 OK INVITE		
		÷	ACK		
		→	BYE		
		←	200 OK BYE		

TP307103	SIP reference: RFC 3261 [6]	ISUP reference:			
		ITU-T Rec Q.1912.5 [1], clause 7.7.1, 2), 3)			
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/				
SIP selection	NOT PICS 4/15				
criteria:					
ISUP selection					
criteria:					
Test purpose:	Ensure that the SUT after receiving the IAM with the complete called party number, sending an INVITE message. On receipt of a REL message before a 200 OK SIP response message has been received: The SUT shall hold the REL message. A CANCEL is sent when any SIP response was been received. On subsequently receiving 200 OK INVITE messages, the SUT shall send an ACK for the 200 OK INVITE and subsequently send a BYE request after the ACK has been sent.				
SIP Parameter values:					
ISUP Parameter					
values:	10115				
Comments:	ISUP SU				
	IAM →	→ INVITE ← 100 TRYING			
	REL →	TOU TRYING			
	RLC C				
	NEO (→ CANCEL			
		€ 200 OK INVITE			
		→ ACK			
		€ 200 OK CANCEL			
		→ BYE			
		← 200 OK BYE			

TP307104	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.1, 2),	, 3)
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release	message (REL)/	
SIP selection criteria:	NOT PICS 4/15		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM value sending an INVITE message. On receipt of a the message defined as SIP_MESSAGE_VA The SUT shall hold the REL message been received. The SUT shall send a CANCEL or E	a REL message <u>before</u> an early dialogue with A has been established: age until a SIP_MESSAGE_VA response ha	
SIP Parameter values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT IAM → REL → RLC ←	SIP → INVITE	
		← SIP_MESSAGE_VA	
	CASE A	CANCEL 200 OK CANCEL 487 Request terminated ACK	d
	CASE D	→ BYE ← 200 OK BYE ← 487 Request terminated → ACK	d

TP307105	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.1, 4)			
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/				
SIP selection					
criteria:					
ISUP selection	NOT PICS 4/15				
criteria:					
Test purpose:	Ensure that the SUT after receiving the IAM with the complete called party number, sending an INVITE message. On receipt of a REL message <u>after</u> a 200 OK response message has been received: The SUT shall hold the REL message until an ACK has been sent. The SUT shall send a BYE request.				
SIP Parameter values:					
ISUP Parameter values:					
Comments:	ISUP SUT	T SIP			
	IAM →	→ INVITE			
	ACM ←	← 180 Ringing			
	ANM ← REL →	← 200 OK INVITE			
	RLC ←	→ ACK			
		→ BYE			
		← 200 OK BYE			

TP307106	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5	5 [1], clause 7.7.1, 3)
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release	message (REL)/	
SIP selection	NOT PICS 4/15		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM		
	sending an INVITE message. On receipt of		
	the SIP message defined with the SIP_MES	SAGE_VA has been es	tablished:
	 The SUT shall send a CANCEL or 	BYE request.	
OID Danamatan			
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT		SIP
	IAM →	=	INVITE
		←	SIP_MESSAGE_VA
	REL →		
	RLC C		
	CASE A		
	CASE A	→	CANCEL
		=	200 OK CANCEL
		=	487 Request
	terminated	•	407 Request
		→	ACK
	CASE B	-	
		→	BYE
		←	200 OK BYE
		←	487 Request terminated
		→	ACK

Table 16

Values fo	Values for test purpose TP307104; TP307106		
VA	SIP MESSAGE_VA		
VA_1	180 Ringing		
VA_2	181 Call Is Being Forwarded		
VA_3	182 Queued		
VA_4	183 Session Progress		

TP307107	SIP reference: RFC 3261 [6]		eference:	
TSS reference:	ITU-T Rec Q.1912.5 [1], clause 7.7.1, 2), 4) ISUP-SIP/Basic call/ Receipt of the Release message (REL)/			
SIP selection criteria:	PICS 4/15	nessage (NLL)		
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving the IAM visending an INVITE message on receipt REL message has been received which established. The SUT shall hold the REL message been received. The SUT shall send a BYE request as CV_ISUP shall be mapped to the	message <u>before</u> a 200 s a confirmed dialogure until a SIP 200 OK The cause Value Indi	O OK response (any) e: INVITE response has cator parameter defined	
SIP Parameter values:	cause value: CV_SIP (PIXIT)			
ISUP Parameter values:	REL: cause value: CV_ISUP (PIXIT) location: LOC_ISUP (PIXIT)			
Comments:	ISUP	→	SIP INVITE	
		← → →	200 OK INVITE ACK BYE 200 OK BYE	

TP307108	SIP reference: RFC 3261 [6]		ISUP reference:	
11 307 100	Oil Telefelice: Ni O 3201 [0]	ITU-T Rec Q	.1912.5 [1], clause 7.7.1, 2), 3	
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/			
SIP selection	PICS 4/15	acc meccage (ILL	p	
criteria:				
ISUP selection criteria:				
Test purpose:	 Ensure that the SUT after receiving the IAM with the complete called party number, sending an INVITE message. On receipt of a REL message <u>before</u> a 200 OK response message has been received: The SUT shall hold the REL message. A CANCEL is sent when any SIP response was been received. On subsequently receiving 200 OK INVITE messages, the SUT shall send an ACK for the 200 OK INVITE and subsequently send a BYE request after the ACK has been sent. The cause Value Indicator parameter defined as CV_ISUP shall be mapped to the Reason header field defined as CV_SIP. 			
SIP Parameter values:	BYE: cause value: CV_SIP (PIXIT)			
ISUP Parameter values:	REL: cause value: CV_ISUP (PIXIT) location: LOC_ISUP (PIXIT)			
Comments:	ISUP	SUT	SIP	
	IAM →	→	INVITE	
		←	100 TRYING	
	REL →			
	RLC ←	_	- · · · · - ·	
		→	CANCEL	
		(200 OK INVITE	
		→	ACK	
		→	BYE 200 OK BYE	
		₹	ZUU ON DIE	

TP307109	SIP reference: RFC 3261 [6]		P reference:	
TSS reference:	ICUD CID/Desis cell/ Dessint of the Delegacor		12.5 [1], clause 7.7.1, 3)	
SIP selection	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/			
criteria:	PICS 4/15			
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT after receiving the IAM we sending an INVITE message. On receipt of a little message defined as SIP_MESSAGE has little message defined as SIP_MESSAGE has little message been received. The SUT shall send a CANCEL required indicator parameter defined as CV_ISI field defined as CV_SIP.	REL message <u>bef</u> been established: e until a SIP_MES uest or a BYE requ	ore an early dialogue with SSAGE_VA response has lest. The cause Value	
SIP Parameter	CANCEL access values CV/ CID (DIVIT)			
values:	CANCEL: cause value: CV_SIP (PIXIT)			
ISUP Parameter	REL: cause value: CV_ISUP (PIXIT)			
values:	location: LOC_ISUP (PIXIT)			
Comments:	ISUP SUT		SIP	
	IAM REL RLC ←	→	INVITE	
	CASE A	←	SIP_MESSAGE_VA	
	SASE A	→	CANCEL	
		←	200 OK CANCEL	
		←	487 Request	
	terminated		•	
		→	ACK	
	CASE B			
		→	BYE	
		←	200 OK BYE	
		←	487 Request	
	terminated	→	ACK	

TP3071010	SIP reference: RFC 3261 [6]	ISUP refe ITU-T Rec Q.1912.5 [
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release n		<u> </u>
SIP selection	PICS 4/15	, , , , , , , , , , , , , , , , , , ,	
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM was sending an INVITE message. On receipt of a message has been received: The SUT shall send a BYE request a Value Indicator parameter defined as header field defined as CV_SIP.	REL message <u>after</u> a 20	00 OK response
SIP Parameter values:	BYE: cause value: CV_SIP (PIXIT)		
ISUP Parameter	REL: cause value: CV_ISUP (PIXIT)		
values:	location: LOC_ISUP (PIXIT)		
Comments:	ISUP SUT	SI	= -
	IAM →		VITE
	ACM ← ANM ←		30 Ringing 30 OK INVITE
	REL +	~ 20	ON INVITE
	RLC +	→ A0	CK
		→ B\ ← 20	YE 00 OK BYE

TP3071011	SIP reference: RFC 3261 [6]		P reference: 912.5 [1], clause 7.7.1
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release n		
SIP selection	PICS 4/15	3 ()	
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM with the complete called party number, sending an INVITE message. On receipt of a REL message <u>after</u> an early dialogue with the SIP message defined with the SIP_MESSAGE_VA has been established: • The SUT shall send a CANCEL or BYE request. The cause Value Indicator parameter defined as CV_ISUP shall be mapped to the Reason header field defined as CV_SIP.		
SIP Parameter values:	CANCEL: cause value: CV_SIP (PIXIT)		
ISUP Parameter values:	REL: cause value: CV_ISUP (PIXIT) location: LOC_ISUP (PIXIT)		
Comments:	ISUP SUT IAM → REL → RLC ←	→	SIP INVITE SIP_MESSAGE_VA
	Case A	→ ← ←	CANCEL 200 OK CANCEL 487 Request
	terminated	<u>-</u>	ACK
	Case B	-	
		→	BYE
	terminated	(200 OK BYE 487 Request
	terminated	→	ACK

Table 17

Values for	Values for test purpose TP307109; TP3071011		
VA	SIP MESSAGE_VA		
VA_1	180 Ringing		
VA_2	181 Call Is Being Forwarded		
VA_3	182 Queued		
VA_4	183 Session Progress		

Table 18

Values for t	Values for test purposes 307107 – 3071011				
←SIP Message Reason header field		← REL Cause Indicators parameter			
	CV_SIP	CV_ISUP			
VA_1	Normal call clearing # 16	Normal call clearing # 16			
VA_2	Normal, unspecified # 31	Normal, unspecified # 31			
VA_3	Temporary failure # 41	Temporary failure # 41			
VA_4	Invalid message, unspecified # 95	Invalid message, unspecified # 95			
VA_5	Recovery on timer expiry # 102	Recovery on timer expiry # 102			
VA_6	Protocol error, unspecified # 111	Protocol error, unspecified # 111			

Table 19: Mapping of Cause Indicators parameter into SIP Reason header fields

Cause indications parameter field	Value of parameter field	component of SIP Reason header field	Component value
_	_	Protocol	"ITU-T Rec Q.850 [5]"
Cause Value	"XX" (see note 1)	Protocol-cause	"cause= XX" (see note 1)
_	_	Reason-text	Should be filled with the definition text as stated in ITU-T Rec Q.850 [5] (see note 2)

NOTE 1: "XX" is the Cause Value as defined in ITU-T Rec Q.850 [5].

NOTE 2: Due to the fact that the Cause Indications parameter does not include the definition text as defined in Table1/ITU-T Rec Q.850 [5] this is based on provisioning in the O-IWU.

6.2.2.8 Sending of a REL message (REL) / receipt of a backward BYE

TP308001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.2
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release	e message (REL)/
SIP selection criteria:		
ISUP selection criteria:		
Test purpose:	of a BYE message where a Reason header to not included:	sends out an INVITE message and on receipt field with ITU-T Rec Q.850 [5] Cause Value is use value Value No. 16 ("normal clearing").
SIP Parameter values:		
ISUP Parameter values:	REL; Cause value "Normal call clearing"	
Comments:	ISUP SUT IAM → ACM ← ANM ← Conve REL RLC →	SIP → INVITE ← 180 Ringing ← 200 OK INVITE rsation ← BYE → 200 OK BYE

TP308004	SIP reference: RFC 3261 [6]]		SUP reference: Q.1912.5 [1], clause 7.7.2
TSS reference:	ISUP-SIP /Basic call/ Sending of the	Release i		
SIP selection criteria:	PICS 4/16		<u> </u>	
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving to fa BYE message where a Reason included: • sends a REL message. The to the ISUP Cause Value file.	header fie e Cause V	ld with ITU-T R	ec Q.850 [5] Cause Value is
SIP Parameter values:	BYE cause value: CV_SIP (PIXIT)			
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
Comments:	IAM → ACM ← ANM ←	SUT Conversa	→ ← ← tion ←	SIP INVITE 180 Ringing 200 OK INVITE BYE 200 OK BYE

Table 20: Mapping of SIP Reason header fields into Cause Indicators parameter

component of SIP Reason header field	Component value	BICC/ISUP Parameter / field	value
Protocol	"ITU-T Rec Q.850 [5]"	Cause Indication parameter	_
protocol-cause	"cause = XX" (see note)	Cause Value	"XX" (see note)
Location "network beyond interworking point"		,	
NOTE: "XX" is the Cause Value as defined in ITU-T Rec Q.850 [5].			

TP308007	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.6
TSS reference:	ISUP-SIP /Basic call/ Sending of the Relea	se message (REL)/
SIP selection criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that the SUT after receiving the IAM sends out an INVITE message. On receipt of a Failure message (4xx, 5xx, 6xx) where a Reason header field with ITU-T Rec Q.850 [5] Cause Value is <u>not</u> included defined as SIP_Failure_VA: • sends a REL message with the Cause value set to CV_ ISUP.	
SIP Parameter values:		
ISUP Parameter values:	REL; cause value: CV_ISUP	
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
	REL ←	← SIP_Failure_VA
	RLC →	→ ACK

Table 21

VA	←REL (Cause Value) CV ISUP	←4XX/5XX/6XX SIP message SIP Failure VA
VA_01	127 Interworking	400 Bad Request
VA 02	127 Interworking	402 Payment Required
VA 03	127 Interworking	403 Forbidden
VA_04	1 Unallocated number	404 Not Found
VA_05	127 Interworking	405 Method Not Allowed
VA_06	127 Interworking	406 Not Acceptable
VA_07	127 Interworking	408 Request Timeout
VA_08	22 Number changed (without diagnostic)	410 Gone
VA_9	127 Interworking	423 Interval Too Brief
VA_10	20 Subscriber absent	480 Temporarily Unavailable
VA_11	127 Interworking	481 Call/Transaction does not exist
VA_12	127 Interworking	482 Loop Detected
VA_13	127 Interworking	483 Too many hops
VA_14	127 Interworking	485 Ambiguous
VA_15	17 User busy	486 Busy Here
VA_16	127 Interworking	488 Not acceptable here
VA_17	127 Interworking	493 Undecipherable
VA_18	127 Interworking	500 Server Internal error
VA_19	127 Interworking	501 Not implemented
VA_20	127 Interworking	502 Bad Gateway
VA_21	127 Interworking	504 Server timeout
VA_22	17 User busy	600 Busy Everywhere
VA_23	21 Call rejected	603 Decline
VA_24	1 Unallocated number	604 Does not exist anywhere
VA_25	127 Interworking	606 Not acceptable

TP308008	SIP reference: RFC 3261 [6]	ISUP reference:	7.0
		ITU-T Rec Q.1912.5 [1], clause 7.	.7.6
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release	message (REL)/	
SIP selection	PICS 4/17		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT if the SIP Failure response is interworked to ISUP after receiving an IAM message sends out an INVITE message. On receipt of a Failure message (4xx, 5xx, 6xx) where a Reason header field with ITU-T Rec Q.850 [5] Cause Value is <u>not</u> included defined as SIP_Failure_VA: • sends a REL message with the Cause value set to CV_ ISUP.		
SIP Parameter values:			
ISUP Parameter	REL; cause value: CV_ISUP (PIXIT)		
values:	TALL, Cause value. Ov_1001 (F1XII)		
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
	REL ←	← SIP_Failure_VA	١
	RLC →	→ ACK	

Table 22

Values for t	Values for test purposes TP308008			
VA	←REL (Cause Value) CV_ ISUP	←4XX/5XX/6XX SIP message SIP_Failure_VA		
VA_01	127 Interworking	401 Unauthorised		
VA_02	127 Interworking	407 Proxy authentication required		
VA_03	127 Interworking	413 Request Entity too long		
VA_04	127 Interworking	414 Request-uri too long		
VA_05	127 Interworking	415 Unsupported Media type		
VA_06	127 Interworking	416 Unsupported URI scheme		
VA_07	127 Interworking	420 Bad Extension		
VA_08	127 Interworking	421 Extension required		
VA_09	28 Invalid Number format	484 Address Incomplete		
VA_10	127 Interworking	503 Service Unavailable		
VA_11	127 Interworking	505 Version not supported		
VA_12	127 Interworking	513 Message too large		
VA_13	127 Interworking	580 Precondition failure		

TP308009	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 7.7.6	
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release	message (REL)/	
SIP selection criteria:	NOT PICS 4/17		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM sends out an INVITE message. On receipt of a Failure message (4xx, 5xx, 6xx) where a Reason header field with ITU-T Rec Q.850 [5] Cause Value is <u>not</u> included defined as SIP_Failure_VA: • no action is taken on the ISUP.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
		← SIP_Failure_VA	
		→ ACK	
	Further SIP procedu	res apply	

Table 23

VA	←4XX/5XX/6XX SIP message		
	SIP_Failure_VA		
VA_01	401 Unauthorised		
VA_02	407 Proxy authentication required		
VA_03	413 Request Entity too long		
VA_04	414 Request-uri too long		
VA_05	415 Unsupported Media type		
VA_06	416 Unsupported URI scheme		
VA_07	420 Bad Extension		
VA_08	421 Extension required		
VA_09	484 Address Incomplete		
VA_10	503 Service Unavailable		
VA_11	505 Version not supported		
VA_12	513 Message too large		
VA_13	580 Precondition failure		

TP3080010	SIP referen	ce: RFC 3261 [6]	ITII	ISUP reference:	
TSS reference:	ICLID CID /Desis se	II/ Canadinan af tha D		I-T Rec Q.1912.5 [1], clause 7.7.6	
SIP selection	ISUP-SIP /Basic ca	ii/ Sending of the R	elease messag	je (REL)/	
criteria:					
ISUP selection					
criteria:					
Test purpose:	Failure message 48 ITU-T Rec Q.850 [5	7 Request termin] Cause Value is <u>n</u>	ated where a R ot included:	at an INVITE message, on receipt of Reason header field with request was previously sent before	
SIP Parameter values:					
ISUP Parameter values:					
Comments:	ISUP		SUT	SIP	
	IAM	→		→ INVITE	
		_		← 100 TRYING	
	REL	→		CANCEL	
	RLC	←	•	← 200 OK CANCEL	
				€ 487 Request terminated	
				→ ACK	

TP3080011	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.6	
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release	message (REL)/	
SIP selection criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM sends out an INVITE message, on receipt of a Failure message 491 Request Pending where a Reason header field with ITU-T Rec Q.850 [5] Cause Value is <u>not</u> included: • no action is taken on the ISUP.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT IAM →	SIP → INVITE ← 491 Request Pending → ACK	

TP3080013	SIP reference: RF	FC 3261 [6]		IP reference: 1912.5 [1], clause 7.7.6
TSS reference:	ISUP-SIP /Basic call/ Sen	ding of the Release	message (REL)/	
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after message defined as SIP I message (4xx, 5xx, 6xx) of ITU-T Rec Q.850 [5] Caus sends a REL me	MESSAGE_VA has defined as SIP_Failu	been received, on ure_VA where a R ded:	receipt of a Failure eason header field with
SIP Parameter values:				
ISUP Parameter values:	REL; cause value: CV_IS	SUP		
Comments:	ISUP IAM	SUT →	→	SIP INVITE SIP MESSAGE_VA
	REL RLC	⊹ →	← →	SIP_Failure_VA ACK

Table 24

Values for	Values for test purpose TP3080013		
VA	SIP MESSAGE_VA		
VA_1	180 Ringing		
VA_2	181 Call Is Being Forwarded		
VA_3	182 Queued		
VA_4	183 Session Progress		

Table 25

VA	←REL (Cause Value) CV_ISUP	←4XX/5XX/6XX SIP message SIP_Failure_VA
VA_01	127 Interworking	400 Bad Request
VA_02	127 Interworking	402 Payment Required
VA_03	127 Interworking	403 Forbidden
VA_04	1 Unallocated number	404 Not Found
VA_05	127 Interworking	405 Method Not Allowed
VA_06	127 Interworking	406 Not Acceptable
VA_07	127 Interworking	408 Request Timeout
VA_08	22 Number changed (without diagnostic)	410 Gone
VA_09	127 Interworking	423 Interval Too Brief
VA_10	20 Subscriber absent	480 Temporarily Unavailable
VA_11	127 Interworking	481 Call/Transaction does not exist
VA_12	127 Interworking	482 Loop Detected
VA_13	127 Interworking	483 Too many hops
VA_14	127 Interworking	485 Ambiguous
VA_15	17 User busy	486 Busy Here
VA_16	127 Interworking	488 Not acceptable here
VA_17	No mapping.	491 Request Pending
VA_18	127 Interworking	493 Undecipherable
VA_19	127 Interworking	500 Server Internal error
VA_20	127 Interworking	501 Not implemented
VA_21	127 Interworking	502 Bad Gateway
VA_22	127 Interworking	504 Server timeout
VA_23	17 User busy	600 Busy Everywhere
VA_24	21 Call rejected	603 Decline
VA_25	1 Unallocated number	604 Does not exist anywhere
VA_26	127 Interworking	606 Not acceptable

TP308014	SIP ref	erence: RFC 3261	[6]	Į	SUP reference:	
				ITU-T Rec	Q.1912.5 [1], clause 7.7.6	
TSS reference:	ISUP-SIP /Bas	ISUP-SIP /Basic call/ Sending of the Release message (REL)/				
SIP selection criteria:		-				
ISUP selection criteria:						
Test purpose:	message has l SIP_Failure_\ not included:	been received on re	eceipt of a Fa n header field	ailure message I with ITU-T Re	/ITE message a 180 ringing (4xx, 5xx, 6xx) defined as c Q.850 [5] Cause Value is	
SIP Parameter values:						
ISUP Parameter values:	REL; cause va	alue: CV_ISUP				
Comments:	ISUP		SUT		SIP	
	IAM	→		→	INVITE	
		_		(180 Ringing	
	REL	((SIP_Failure_VA	
	RLC	→		→	ACK	

Table 26

Values for test purposes TP308014			
VA	←REL (Cause Value) CV_ ISUP	←4XX/5XX/6XX SIP message SIP_Failure_VA	
VA_01	127 Interworking	408 Request timeout	
VA_02	17 User busy	486 Busy Here	
VA_03	17 User busy	600 Busy Everywhere	
VA_04	21 Call rejected	603 Decline	

TP3080017	SIP reference	e: RFC 3261 [6]		SUP reference:	
				Q.1912.5 [1], clause 7.7.6	
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release message (REL)/				
SIP selection	PICS 4/15				
criteria:					
ISUP selection					
criteria:					
Test purpose:	message defined as message (4xx, 5xx, 6 ITU-T Rec Q.850 [5] • sends a RE mapped to	Cause Value is included EL message. The Cause	s been received on the control of th	•	
SIP Parameter values:	CV_ SIP (PIXIT)				
ISUP Parameter	CV_ ISUP (PIXIT)				
values:					
Comments:	ISUP	SUT		SIP	
	IAM	→	→	INVITE	
			←	SIP MESSAGE_VA	
	REL	←	←	SIP_Failure_VA	
	RLC	→	→	ACK	

Table 27

Values fo	or test purpose TP308017
VA	SIP MESSAGE_VA
VA_1	180 Ringing
VA_2	181 Call Is Being Forwarded
VA_3	182 Queued
VA 4	183 Session Progress

TP308018	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.6			
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release	message (REL)/			
SIP selection criteria:	NOT PICS 4/22				
ISUP selection criteria:					
Test purpose:	Ensure that the SUT after receiving the IAM sends out an INVITE message. On receipt of a response message (3xx) defined as SIP_Response_VA, the SUT: • sends a REL message with the Cause value CV_ ISUP.				
SIP Parameter values:					
ISUP Parameter values:	REL; cause value: CV_ISUP				
Comments:	ISUP SUT	SIP			
	IAM →	→ INVITE			
	REL ← RLC →	★ SIP_Response_VA→ ACK			

Table 28

Values for test purposes TP308018			
VA	←REL (Cause Value) CV_ ISUP	←3XX SIP message SIP_Response_VA	
VA_01	127 Interworking	300 Multiple Choices	
VA_02	127 Interworking	301 Moved Permanently	
VA_03	127 Interworking	302 Move Temporarily	
VA_04	127 Interworking	305 Use Proxy	
VA_05	127 Interworking	380 Alternative Service	

TP308019	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.6		
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release message (REL)/			
SIP selection	PICS 4/22	Thosage (NEL)		
criteria:	1100 1/22			
ISUP selection				
criteria:				
Test purpose:	a response message (3xx) defined as SIP_Rsends an INVITE using the value of	ure that the SUT after receiving the IAM sends out an INVITE message. On receipt of sponse message (3xx) defined as SIP_Response_VA, the SUT: sends an INVITE using the value of the Contact header field in the received SIP_Response_VA in the Request URI.		
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	ISUP SUT	SIP		
	IAM →	→ INVITE		
		SIP_Response_VA		
		→ ACK		
		→ INVITE		
	ACM ←	€ 180 Ringing		
	ANM ←	€ 200 OK INVITE		
		→ ACK		
	Convers	sation		
	REL →	→ BYE		
	RLC	← 200 OK BYE		

Table 29

Values fo	Values for test purpose TP308019		
VA	SIP_Response_VA		
VA_1	300 Multiple Choices		
VA_2	301 Moved Permanently		
VA_3	302 Move Temporarily		
VA_4	305 Use Proxy		
VA_5	380 Alternative Service		

6.2.2.9 Autonomous release at O-IWU

TP308020	SIP refer	ence: RFC 3261 [6]		SUP reference: 0.1912.5 [1], clause 7.7.3	
TSS reference:	ISUP-SIP /Basic	call/ Sending of the Release	message (REL)/	1	
SIP selection criteria:	PICS 4/15				
ISUP selection criteria:					
Test purpose:	autonomous REL	Ensure that the SUT after receiving the IAM the BICC/ISUP procedures results in autonomous REL message from the SUT: then a BYE shall be sent on the SIP side.			
SIP Parameter values:					
ISUP Parameter values:					
Comments:	ISUP IAM ACM ANM	SUT → ← ←	→ ←	SIP INVITE 180 Ringing 200 OK INVITE	
	Autonomous release at O-IWU				
	REL RLC	← →	→	BYE 200 OK BYE	

TP308021	SIP reference: RFC 3261 [6]		P reference: 912.5 [1], clause 7.7.3
TSS reference:	ISUP-SIP /Basic call/ Sending of the Release	message (REL)/	
SIP selection criteria:	PICS 4/15		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM the BICC/ISUP procedures results in autonomous REL message from the SUT: then a BYE shall be sent on the SIP side. The Reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value of the REL message has to be on sent by the SIP side.		
SIP Parameter values:	BYE cause value: CV_SIP (PIXIT)		
ISUP Parameter values:	REL; cause value: CV_ISUP (PIXIT)		
Comments:	ISUP SUT IAM → ACM ← ANM ← Autonomous release	→ ← ← at O-IWU	SIP INVITE 180 Ringing 200 OK INVITE
	RLC →	´	200 OK BYE

TP308022	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.6.1	
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release n	nessage (REL)/	
SIP selection	PICS 3/2		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT a On receipt of a 484 Address Incomplete response for the current INVITE (i.e. there are no other pending INVITE transactions for this call), if the SUT is configured to propagate overlap signalling into the SIP network, the SUT: • shall not send a REL message immediately and shall instead start timer TOIW3. The REL message shall only be sent if TOIW3 expires.		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
		← 484 Address incomplete→ ACK	
	Start timer T _{OI}	W3	
	Timeout T _{OIV}	V3	
	REL ← RLC →		

TP308023	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.6.1		
TSS reference:				
SIP selection criteria:	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/ NOT PICS 3/4			
ISUP selection criteria:				
Test purpose:	Ensure that the SUT a On receipt of a 484 Address Incomplete response for the current INVITE (i.e. there are no other pending INVITE transactions for this call), if the O-IWU is not configured to propagate overlap signalling into the SIP network then the timer shall not be started and the: • REL shall be sent immediately to the BICC/ISUP network.			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	ISUP SUT IAM →	SIP → INVITE ← 484 Address incomplete → ACK		
	RLC →			

TP308024	SIP reference: RFC 3261 [6]	1611	P reference:		
17300024	ITU-T Rec Q.1912.5 [1], clause 7.7.3				
T00 (
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release m	nessage (REL)/			
SIP selection	PICS 4/7 AND PICS 4/20				
criteria:					
ISUP selection	PICS 4/2				
criteria:					
Test purpose:	Ensure that the SUT a on receipt of a COT "fa	iiled" and precondi	tions used, the SUT:		
	 sends a CANCEL or BYE to the SIP 	network.			
OID D					
SIP Parameter					
values:					
ISUP Parameter	IAM: Nature of connection indicators "co	ntinuity check requ	ired on this circuit"		
values:					
Comments:	ISUP SUT		SIP		
	IAM →	→	INVITE		
	COT(failed) →				
	CASE A	_			
		→	CANCEL		
		(200 OK CANCEL		
		(487 Request		
	terminated	•	4014		
	0405.8	→	ACK		
	CASE B	•	DVE		
		→	BYE		
		(200 OK BYE		
		(487 Request terminated		
		→	ACK		

TP308025	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7	.7.3	
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/			
SIP selection criteria:	PICS 4/7 AND PICS 4/20			
ISUP selection criteria:	PICS 4/2			
Test purpose:	Ensure that the SUT when the ISUP/BICC timer T8 is expired and preconditions used, the SUT:			
	sends a CANCEL or BYE to the SIP	network.		
SIP Parameter values:				
ISUP Parameter values:	IAM: Nature of connection indicators "co	ntinuity check required on this circuit"		
Comments:	ISUP SUT	SIP		
	IAM →	→ INVITE		
	T8 expiree	es		
	CASE A			
		→ CANCEL		
		€ 200 OK CANCE	L	
	terminated	← 487 Request		
	lemmated	→ ACK		
	CASE B			
		→ BYE		
		€ 200 OK BYE	Secretary 1	
		← 487 Request term→ ACK	inated	

TP308026	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.7.3			
TSS reference:	ISUP-SIP/Basic call/ Receipt of the Release message (REL)/				
SIP selection criteria:	PICS 4/7 AND PICS 4/20				
ISUP selection criteria:	PICS 4/2				
Test purpose:	Ensure that the SUT when the internal resource reservation is unsuccessful and preconditions used, the SUT: • sends a CANCEL or BYE to the SIP network.				
SIP Parameter values:					
ISUP Parameter values:		ntinuity check required on this circuit"			
Comments:	ISUP SUT IAM →	SIP → INVITE ← 183 Session Progress → PRACK ← 200 OK PRACK			
	Internal resource rese	rvation unsuccessful			
	CASE A	 → CANCEL ← 200 OK CANCEL ← 487 Request terminated → ACK 			
	CASE B	 → BYE ← 200 OK BYE ← 487 Request terminated → ACK 			

- 6.2.2.10 Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented
- 6.2.2.11 Receipt of Reset Circuit message (RSC)

TP309001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 1), 7.7.4 and 7.7.5		
TSS reference:		P/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message or Circuit group blocking message (CGB) with the indication hardware failure		
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving the IAM but before an INVITE has been sent on receipt of a RSC message: • no action is required on the SIP side other than to terminate local procedures if any are in progress.			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	ISUP	SIP		

TP309002	SIP reference: RFC 3261 [6]	ITU-T Rec Q.19	P reference: 112.5 [1], clauses 7.7.1,		
		7.7.4 and 7.7.5			
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit r	nessage (RSC), Ci	rcuit group reset message		
	(GRS) or Circuit group blocking message (CG	B) with the indication	on hardware failure		
	oriented				
SIP selection					
criteria:					
ISUP selection					
criteria:					
Test purpose:	 sending a INVITE message on receipt RSC message has been received: The SUT shall hold the RSC message The SUT shall send a CANCEL required Depending on local policy, a Reason 	UT shall hold the RSC message until a SIP response has been received. UT shall send a CANCEL request. Iding on local policy, a Reason header field containing the Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be			
SIP Parameter					
values:					
ISUP Parameter					
values:					
Comments:	ISUP SUT		SIP		
	IAM →	→	INVITE		
	RSC →				
	RLC				
		(SIP MESSAGE_VA		
		→	CANCEL		
		(200 OK CANCEL		
	to was in a to d	←	487 Request		
	terminated	→	ACK		

Table 30

Values for test purpose TP309002		
VA	SIP MESSAGE_VA	
VA_1	100 Trying	
VA_2	180 Ringing	
VA_3	181 Call Is Being Forwarded	
VA_4	182 Queued	
VA 5	183 Session Progress	

TP309003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1,
		7.7.4 and 7.7.5
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message	
	(GRS) or Circuit group blocking message (CG	BB) with the indication hardware failure
SIP selection	oriented	
criteria:		
ISUP selection criteria:		
Test purpose:	 Ensure that the SUT after receiving the IAM with the complete called party number, sending a INVITE message on receipt RSC message before a 200 OK response message has been received: On subsequently receiving 200 OK INVITE messages, the SUT shall send an ACK for the 200 OK INVITE and subsequently send a BYE request after the ACK has been sent Depending on local policy, a Reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be sent by the SIP side of the O-IWU. 	
SIP Parameter values:		
ISUP Parameter values:		
Comments:	ISUP SUT	SIP
	IAM → RSC →	→ INVITE ← 200 OK INVITE
	RLC C	200 OK INVITE
		→ ACK
		→ BYE
		← 200 OK BYE

TDOOGOG	OID (DEC 2004 [0]	IOUDf	
TP309005	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 7.7.1,	
<i>(</i>		7.7.4 and 7.7.5	
TSS reference:		message (RSC), Circuit group reset message	
	(GRS) or Circuit group blocking message (CC	3B) with the indication hardware failure	
010 1 11	oriented		
SIP selection			
criteria:	_		
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM v		
	sending a INVITE message with the complete		
	message on receipt RSC message <u>after</u> a 200 OK response message has been received:		
	The SUT shall send a BYE request.		
	'		
	Depending on local policy, a Reason header field containing the		
	(ITU-T Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be		
	sent by the SIP side of the O-IWU.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT	SIP	
	IAM →	→ INVITE	
	ACM ←	← 180 Ringing	
	ANM	€ 200 OK INVITE	
	RSC →	← BYE	
	RLC ←	→ 200 OK BYE	

TP309006	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 7.7.4 and 7.7.5
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented	
SIP selection criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that the SUT after receiving the IAM with the complete called party number, sending a INVITE message on receipt RSC message after an early dialogue with the SIP message defined with the SIP_MESSAGE_VA has been established: The SUT shall send a CANCEL or BYE request. Depending on local policy, a Reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be sent by the SIP side of the O-IWU.	
SIP Parameter values:		
ISUP Parameter values:		
Comments:	ISUP SUT IAM → RSC → RLC ← Case A	SIP → INVITE ← SIP_MESSAGE_VA
	Case B	→ CANCEL ← 200 OK CANCEL ← 487 Request terminated → ACK → BYE ← 200 OK BYE
		← 487 Request terminated → ACK

Table 31

Values for test purpose; TP309106		
VA	SIP MESSAGE_VA	
VA_1	180 Ringing	
VA_2	181 Call Is Being Forwarded	
VA_3	182 Queued	
VA_4	183 Session Progress	

6.2.2.12 Receipt of Circuit group reset message (GRS)

TP309007	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 1),	
		7.7 and 7.7.5	
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message		
	(GRS) or Circuit group blocking message (CG	GB) with the indication hardware failure	
	oriented	,	
SIP selection			
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that the SUT after receiving the IAM but before an INVITE has been sent on		
	receipt of GRS message:		
	no action is required on the SIP side other than to terminate local procedures if		
	any are in progress.		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	ISUP SUT	SIP	
	IAM →		
	GRS →		
	GRA ←		

TP309008	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 7.7.4 and 7.7.5
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented	
SIP selection		
criteria:		
ISUP selection criteria:		
Test purpose:	 The SUT shall send a CANCEL requ Depending on local policy, a Reason 	nessage <u>before</u> SIP MESSAGE_VA ge until a SIP response has been received. uest.
SIP Parameter values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT IAM → GRS →	SIP → INVITE
	GRA ←	 ← SIP MESSAGE_VA → CANCEL ← 200 OK CANCEL ← 487 Request terminated → ACK

Table 32

Values for test purpose TP309008		
VA	SIP MESSAGE_VA	
VA_1	100 Trying	
VA_2	180 Ringing	
VA_3	181 Call Is Being Forwarded	
VA_4	182 Queued	
VA_5	183 Session Progress	

TP309009	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 3),
		7.7.4 and 7.7.5
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit r	
	(GRS) or Circuit group blocking message (CGB) with the indication hardware failure	
	oriented	
SIP selection		
criteria:		
ISUP selection criteria:		
Test purpose:	 Ensure that the SUT after receiving the IAM with the complete called party number, sending a INVITE message on receipt GRS message before a 200 OK response message has been received The SUT shall hold the GRS message until a response has been received. A CANCEL is sent. On subsequently receiving 200 OK INVITE messages, the SUT shall send an ACK for the 200 OK INVITE and subsequently send a BYE request after the ACK has been sent. 	
SIP Parameter values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP
	IAM →	→ INVITE
	GRS →	← 100 TRYIING
	GRA ←	→ CANCEL
		← 200 OK INVITE
		→ ACK
		€ 200 OK CANCEL
		→ BYE
		€ 200 OK BYE

TP309011	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 7.7.4 and 7.7.5		
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	 Ensure that the SUT after receiving the IAM with the complete called party number, sending a INVITE message with the complete called party number, sending a INVITE message on receipt GRS message after a 200 OK response message has been received: The SUT shall send a BYE request. Depending on local policy, a Reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be sent by the SIP side of the O-IWU. 			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	ISUP SU IAM → ACM ← ANM ← GRS → GRA ←	T SIP → INVITE ← 180 Ringing ← 200 OK INVITE ← BYE → 200 OK BYE		

TP309012	SIP reference: RFC 3261 [6]		JP reference:	
			912.5 [1], clauses 7.7.1, 7.4 and 7.7.5	
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving the IAM we sending a INVITE message on receipt GRS message defined with the SIP_MESSAGE_VALUE. The SUT shall send a CANCEL required. Depending on local policy, a Reason (ITU-T Rec Q.850 [5]) Cause Value are sent by the SIP side of the O-IWU.	nessage <u>after</u> an e A has been establ nest. header field cont	early dialogue with the SIP ished:	
SIP Parameter				
values:				
ISUP Parameter values:				
Comments:	ISUP IAM → GRS → GRA ←	→	SIP INVITE SIP_MESSAGE_VA	
	CASE A	→ ← ←	CANCEL 200 OK CANCEL 487 Request terminated ACK	
	CASE B	→ ← ← →	BYE 200 OK BYE 487 Request terminated ACK	

Table 33

Values for	Values for test purpose TP309009; TP309012			
VA	VA SIP MESSAGE_VA			
VA_1	180 Ringing			
VA_2	181 Call Is Being Forwarded			
VA_3	182 Queued			
VA_4	183 Session Progress			

TP309013	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clauses 7.7.1,
		7.7.4 and 7.7.5
TSS reference:		message (RSC), Circuit group reset message
	(GRS) or Circuit group blocking message (CG	BB) with the indication hardware failure
	oriented	
SIP selection		
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT after receiving more than	
	each call association on receipt of a GRS me	ssage were the Range Parameter value is
	bigger than "1":	
	the SUT shall send a BYE requests	for each call association.
SIP Parameter		
values:		
ISUP Parameter		
values:		
Comments:	ISUP SUT	SIP
Comments.	IAM →	→ INVITE 1
	ACM ←	€ 180 Ringing
	ANM ←	€ 200 OK INVITE
	ANN	200 OK INVITE
	IAM →	→ INVITE 2
	ACM ←	← 180 Ringing
	ANM ←	€ 200 OK INVITE
		200 011111112
	GRS →	★ BYE 1
	GRA ←	→ 200 OK BYE
		BYE 2
		→ 200 OK BYE

6.2.2.13 Receipt of Circuit group blocking message (CGB)

TP3090014	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 1) and 7.7.4		
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving the IAM but before an INVITE has been sent on receipt of CGB message Circuit Group Supervision Message Type Indicator coded as "hardware failure oriented": • no action is required on the SIP side other than to terminate local procedures if any are in progress.			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	ISUP SUT IAM → CGB → CGBA	SIP		

TP3090145	SIP refe	erence: RFC 3261	[6]		ISUP reference: 1912.5 [1], clauses 7.7.1 and 7.7.4
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented				
SIP selection criteria:					
ISUP selection criteria:					
Test purpose:	sending a INVI Type Indicator response mess The S receiv The S Depen	TE message on recoded as "hardwar rage has been recestuT shall hold the Code. EUT shall send a Code and a code a co	ceipt CGB me failure orientived: CGB message ANCEL requely, a Reasonause Value #	essage Circuit ented" <u>before</u> a ge until a SIP 2 est. header field co	te called party number, Group Supervision Message a SIP MESSAGE_VA 00 OK response has been ontaining the dded to the SIP message to be
SIP Parameter values:					
ISUP Parameter values:					
Comments:	ISUP IAM CGB CGBA	→ →	SUT	→	SIP INVITE
		-		←	SIP MESSAGE_VA
				→ ← ← →	CANCEL 200 OK CANCEL 487 Request terminated ACK

Values for	Values for test purpose TP309014			
VA	VA SIP MESSAGE_VA			
VA_1	100 Trying			
VA_2	180 Ringing			
VA_3	181 Call Is Being Forwarded			
VA_4	182 Queued			
VA_5	183 Session Progress			

TP3090016	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1, 3) and 7.7.4		
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit (GRS) or Circuit group blocking message (Coriented	message (RSC), Circuit group reset message GB) with the indication hardware failure		
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	 Ensure that the SUT after receiving the IAM with the complete called party number, sending a INVITE message on receipt CGB message Circuit Group Supervision Message Type Indicator coded as "hardware failure oriented" before a 200 OK response message has been received: On subsequently receiving 200 OK INVITE messages, the SUT shall send an ACK for the 200 OK INVITE and subsequently send a BYE request after the ACK has been sent Depending on local policy, a Reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be sent by the SIP side of the O-IWU. 			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	ISUP SUT IAM → CGB → CGBA ←	SIP		

TP309017	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clauses 7.7.1 and 7.7.4		
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	Ensure that the SUT after receiving the IAM with the complete called party number, sending a INVITE message with the complete called party number, sending a INVITE message on receipt CGB message Circuit Group Supervision Message Type Indicator coded as "hardware failure oriented" after a 200 OK response message has been received: • The SUT shall send a BYE request. • Depending on local policy, a Reason header field containing the (ITU-T Rec Q.850 [5]) Cause Value # 31 may be added to the SIP message to be sent by the SIP side of the O-IWU.			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	ISUP IAM → ACM ← ANM ← CGB CGBA ←	JT SIP		

TP309018	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], clauses 7.7.1 and 7.7.4		
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message			
	(GRS) or Circuit group blocking message (CG oriented	B) with the indication hardware failure		
SIP selection				
criteria:				
ISUP selection criteria:				
Test purpose:		nessage Circuit Group Supervision Message ented" after an early dialogue with the SIP A has been established:		
SIP Parameter	sent by the SIP side of the O-IWU.			
values:				
ISUP Parameter values:				
Comments:	ISUP SUT IAM → CGB → CGBA ←	SIP → INVITE ← SIP_MESSAGE_VA		
	CASE A	 → CANCEL ← 200 OK CANCEL ← 487 Request terminated → ACK 		
	CASE B	→ BYE ← 200 OK BYE ← 487 Request terminated → ACK		

Table 35

Values fo	Values for test purpose TP309114; TP309018				
VA	SIP MESSAGE_VA				
VA_1	180 Ringing				
VA_2	181 Call Is Being Forwarded				
VA_3	182 Queued				
VA 4	183 Session Progress				

TP309019		ence: RFC 3261		ITU-T Rec Q	SUP reference: .1912.5 [1], clauses 7.7.1, .7.4 and 7.7.5
TSS reference:	ISUP-SIP/Basic call/ Receipt of Reset circuit message (RSC), Circuit group reset message (GRS) or Circuit group blocking message (CGB) with the indication hardware failure oriented				
SIP selection criteria:					
ISUP selection criteria:					
Test purpose:	each call associa Type Indicator co value is bigger th	tion on receipt of ded as "hardware	a CGB mes failure orie	ssage Circuit Gro ented" <u>were the I</u>	ling an INVITE message for oup Supervision Message Range and Status Parameter ociation.
SIP Parameter					
values: ISUP Parameter					
values:					
Comments:	ISUP IAM ACM ANM	→ ←	SUT	→ ←	SIP INVITE 1 180 Ringing 200 OK INVITE
	IAM ACM ANM	→ ←		→ ←	INVITE 2 180 Ringing 200 OK INVITE
	CGB CGBA	→ ←		← → ← →	BYE 1 200 OK BYE BYE 2 200 OK BYE

6.3 Test purposes for the Supplementary Services

6.3.1 Interworking from SIP to ISUP (Outgoing Call)

6.3.1.1 Calling Line Identification (CLI)

TP501101	SIP	reference: RFC 3261 [6]		ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6
TSS reference:	SIP-ISUP/SS	S/CLI/		ind i ned quelle [1], clades officie
SIP selection criteria:				
ISUP selection criteria:	PICS 6/1 AN	ID PICS 6/9		
Test purpose:	 the CC the ND a P sends an IA Add Scr Nu Add 	SIP P-Asserted-Identity con + NDC+ SN has not been result in SIP From header field contact C+ SN has not been received invacy header field has not been message with the Calling dress signals = default number eening indicator = network per modern in the signal indicator = ISD metals in the signal in the signal indicator = ISD metals in the sig	ainir eceiv ining ed; peen party er rovid	g a URI with an identity in the format "+" CC+ n received. ty number parameter coded: ded T
		_		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	SIP INVITE	→	JT	ISUP → IAM

Table 36

		SIP Parameter values:	ISUP Parameter value Address Format:
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN

TP501102	SIP reference: RFC 32	261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISUP/SS/CLI/		110-1 Nec Q. 1312.3 [1], clause 0.1.3.0	
SIP selection	311 -1301 /33/CLI/			
criteria:				
ISUP selection	PICS 6/1			
criteria:				
Test purpose:	Ensure that the SUT in the Idle	state, on recei	pt of a INVITE message where:	
	the SIP P-Asserted-lo CC+ NDC+ SN has n		ng a URI with an identity in the format "+"	
	 the SIP From header NDC+ SN has not be 		a URI with an identity in the format "+" CC+	
	 a Privacy header field "none". 	l was received	and the priv-value component is set to	
	sends an IAM message with th	e Calling party	y number parameter coded:	
	Address signals = def	ault number		
	Screening indicator = network provided			
	Number Incomplete Indicator = PIXIT			
	Numbering plan indicator = ISDN numbering plan			
	Address Presentation Restricted Indicator = Presentation allowed			
	NoAS: NoA_VALUI	Ε		
SIP Parameter values:				
ISUP Parameter values:				
Comments:		is located in the	the country where I-IWU is located AND the ne same country then set to "national	
	else set to "internation	nal number".		
	SIP INVITE →	SUT	ISUP → IAM	

Values	Values for test purposes TP501102				
		SIP Parameter values:	ISUP Parameter value Address Format:		
VA_0 1	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN		
VA_0 2	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN		

TP501103	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6
TSS reference:	SIP-ISUP/SS/CLI/	
SIP selection criteria:		
ISUP selection criteria:	PICS 6/1	
Test purpose:	 CC+ NDC+ SN has not been received; the SIP From header field containing NDC+ SN has not been received; 	ng a URI with an identity in the format "+" yed; ya URI with an identity in the format "+" CC+ and the priv-value component is set to y number parameter coded: led I mbering plan
SIP Parameter values:		
ISUP Parameter values:		
Comments:	SIP SUT INVITE →	ISUP → IAM

TP501104	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6		
TSS reference:	SIP-ISUP/SS/CLI/	110-1 Nec Q. 1312.3 [1], clause 0.1.3.0		
SIP selection	311 -1301 /33/3E1/			
criteria:				
ISUP selection	PICS 6/1			
criteria:				
Test purpose:	the SIP P-Asserted-Identity containing	ipt of a INVITE message where: ng a URI with an identity in the format "+"		
	CC+ NDC+ SN has not been received	ved;		
	 the SIP From header field containing NDC+ SN has not been received; 	g a URI with an identity in the format "+" CC+		
	 a Privacy header field was received and the priv-value component is set to "user". 			
	sends an IAM message with the Calling party number parameter coded:			
	Address signals = default number			
	Screening indicator = network provided			
	Number Incomplete Indicator = PIXI	Т		
	Numbering plan indicator = ISDN nu	mbering plan		
	Address Presentation Restricted Ind	icator = Presentation restricted		
SIP Parameter				
values:				
ISUP Parameter values:				
Comments:	SIP SUT	ISUP		
	INVITE ->	→ IAM		

TP501105	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6
TSS reference:	SIP-ISUP/SS/CLI/	110-1 Rec Q.1912.5 [1], clause 6.1.3.6
SIP selection	SIF-130F/33/CLI/	
criteria:		
ISUP selection	PICS 6/1	
criteria: Test purpose:	Ensure that the SUT in the Idle state, on recei	int of a INIVITE magazage whore:
rest purpose.	 the SIP P-Asserted-Identity containing CC+ NDC+ SN has not been received; the SIP From header field containing NDC+ SN has not been received; 	ng a URI with an identity in the format "+" //ed; ya URI with an identity in the format "+" CC+ and the priv-value component is set to "id". y number parameter coded:
OID Developed		
SIP Parameter values:		
ISUP Parameter values:		
Comments:	SIP SUT INVITE →	ISUP → IAM

TP501106		SIP reference: RFC 3261 [6]		reference: 112.5 [1], clause 6.1.3.6		
TSS reference:	SIP-ISU	IP/SS/CLI/	1 110 1110 1110			
SIP selection						
criteria: ISUP selection	PICS 6/	PICS 6/1 AND PICS 6/3 AND PICS 6/9				
criteria:	1 100 0/	7,442 1 100 0/0 7,442 1 100 0/0				
Test purpose:	Ensure	sure that the SUT in the Idle state, on receipt of a INVITE message where:				
	•	the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received;				
	•	the SIP From header field containing NDC+ SN has been received;	g a URI with an ider	ntity in the format "+" CC+		
	•	a Privacy header field has not beer	received.			
	sends a	n IAM message with the Calling part	y number paramet	ter coded:		
		Address signals = default number				
		Screening indicator = network provide	ded			
		Number Incomplete Indicator = PIXI	Т			
		Numbering plan indicator = ISDN numbering plan				
		Address Presentation Restricted Indicator = Presentation allowed				
		NoAS: NoA_VALUE				
	with the	he Generic number parameter coded:				
		Address signals = number provided by the user				
		Screening indicator = user provided, not verified				
		Number Incomplete Indicator = com	plete			
		Numbering plan indicator = ISDN nu	ımbering plan			
		Address Presentation Restricted Inc	licator = Presentation	on allowed		
		NoAS: NoA_VALUE				
SIP Parameter values:						
ISUP Parameter values:						
Comments:	•	If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number";				
	•	else set to "international number".				
	SIP INVITE	SUT →	→	ISUP IAM		

Table 38

Values	/alues for test purposes TP501106				
		SIP Parameter values:	ISUP Parameter value Address Format:		
VA_0 1	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN		
VA_0 2	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN		

SIP-ISUP/SS/CLI/ SIP selection criteria: ISUP selection criteria: ISUP selection criteria: Test purpose: Ensure that the SUT in the Idle state, on receipt of a INVITE message where:	TP501107	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6			
criteria: ISUP selection criteria: Test purpose: Ensure that the SUT in the Idle state, on receipt of a INVITE message where: the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; a Privacy header field was received and the priv-value component is set to "none". sends an IAM message with the Calling party number parameter coded: Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		SIP-ISUP/SS/CLI/				
SUP selection criteria: PICS 6/1 AND PICS 6/3 Criteria: Ensure that the SUT in the Idle state, on receipt of a INVITE message where:						
Ensure that the SUT in the Idle state, on receipt of a INVITE message where: the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; a Privacy header field was received and the priv-value component is set to "none". sends an IAM message with the Calling party number parameter coded: Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE		PICS 6/1 AND PICS 6/3				
the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; a Privacy header field was received and the priv-value component is set to "none". sends an IAM message with the Calling party number parameter coded: Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE						
CC+ NDC+ SN has not been received; the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; a Privacy header field was received and the priv-value component is set to "none". sends an IAM message with the Calling party number parameter coded: Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:	Test purpose:	Ensure that the SUT in the Idle state, on rece	ure that the SUT in the Idle state, on receipt of a INVITE message where:			
NDC+ SN has been received; a Privacy header field was received and the priv-value component is set to "none". sends an IAM message with the Calling party number parameter coded: Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:						
"none". sends an IAM message with the Calling party number parameter coded: Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:			g a URI with an identity in the format "+" CC+			
Address signals = default number Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:			and the priv-value component is set to			
Screening indicator = network provided Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		sends an IAM message with the Calling part	y number parameter coded:			
Number Incomplete Indicator = PIXIT Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Address signals = default number				
Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Screening indicator = network provide	led			
Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Number Incomplete Indicator = PIXI	Т			
NoAS: NoA_VALUE with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Numbering plan indicator = ISDN nu	Numbering plan indicator = ISDN numbering plan			
with the Generic number parameter coded: Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Address Presentation Restricted Ind	Address Presentation Restricted Indicator = Presentation allowed			
Address signals = number provided by the user Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		NoAS: NoA_VALUE	NoAS: NoA_VALUE			
Screening indicator = user provided, not verified Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		with the Generic number parameter coded:				
Number Incomplete Indicator = complete Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Address signals = number provided	by the user			
Numbering plan indicator = ISDN numbering plan Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Screening indicator = user provided,	not verified			
Address Presentation Restricted Indicator = Presentation allowed NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Number Incomplete Indicator = com	plete			
NoAS: NoA_VALUE SIP Parameter values: ISUP Parameter values:		Numbering plan indicator = ISDN nu	mbering plan			
SIP Parameter values: ISUP Parameter values:						
values: ISUP Parameter values:		NoAS: NoA_VALUE				
values:						
Comments: SIP SUT ISUP INVITE → IAM						

Table 39

		SIP Parameter values:	ISUP Parameter value Address Format:
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN

TP501108		SIP reference: RFC 3261 [6]		reference: 12.5 [1], clause 6.1.3.6		
TSS reference:	SIP-ISU	IP/SS/CLI/	110-1 Nec Q.19	12.5 [1], Clause 0.1.5.0		
SIP selection						
criteria:	DIOC 6/	4 AND DIOC 0/0				
ISUP selection criteria:	PICS 6/1 AND PICS 6/3					
Test purpose:	Ensure	that the SUT in the Idle state, on rece	ipt of a INVITE mess	sage where:		
	•	the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received;				
	•	the SIP From header field containing NDC+ SN has been received;	g a URI with an iden	tity in the format "+" CC+		
	•	a Privacy header field was received "header".	and the priv-value c	omponent is set to		
	sends a	n IAM message with the Calling part	y number paramete	er coded:		
		Address signals = default number				
		Screening indicator = network provide	ded			
		Number Incomplete Indicator = PIXI	Т			
		Numbering plan indicator = ISDN numbering plan				
		Address Presentation Restricted Indicator = Presentation restricted				
		NoAS: NoA_VALUE				
	with the	Generic number parameter coded:				
		Address signals = number provided by the user				
		Screening indicator = user provided, not verified				
		Number Incomplete Indicator = complete				
		Numbering plan indicator = ISDN nu	mbering plan			
		Address Presentation Restricted Ind	icator = Presentation	n restricted		
		NoAS: NoA_VALUE				
SIP Parameter values:						
ISUP Parameter	+					
values:						
Comments:	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 					
	•	else set to "international number".				
	SIP INVITE	SUT →	→	ISUP IAM		

Table 40

Values f	Values for test purposes TP501108				
		SIP Parameter values:	ISUP Parameter value Address Format:		
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN		
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN		

TP501109	S	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6
TSS reference:	SIP-ISUI	P/SS/CLI/	110-1 Net Q. 1912.5 [1], clause 0.1.5.0
SIP selection			
criteria: ISUP selection	DICS 6/1	AND PICS 6/3	
criteria:	F103 0/1	AND FICS 0/3	
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:		
	 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; 		
	•	the SIP From header field containing NDC+ SN has been received;	a URI with an identity in the format "+" CC+
	•	a Privacy header field was received "user".	and the priv-value component is set to
	sends ar	n IAM message with the Calling party	y number parameter coded:
		Address signals = default number	
		Screening indicator = network provid	led
		Number Incomplete Indicator = PIXI	Г
		Numbering plan indicator = ISDN nu	mbering plan
	Address Presentation Restricted Indicator = Presentation restricted		
	NoAS: NoA_VALUE		
	with the Generic number parameter coded:		
	Address signals = number provided by the user		
	Screening indicator = user provided, not verified		
		Number Incomplete Indicator = comp	olete
		Numbering plan indicator = ISDN nu	mbering plan
		Address Presentation Restricted Indi	icator = Presentation restricted
		NoAS: NoA_VALUE	
SIP Parameter values:			
ISUP Parameter values:			
Comments:	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 		
	•	else set to "international number".	
	SIP INVITE	SUT →	ISUP → IAM

Table 41

Values for test purposes TP501109				
		SIP Parameter values:	ISUP Parameter value Address Format:	
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN	
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN	

TP5011010	SIP reference: RFC 3261 [6]		JP reference:
TSS reference:	SIP-ISUP/SS/CLI/		ITU-T Rec Q.	1912.5 [1], clause 6.1.3.6
SIP selection	311 -1301 /33/CLI/			
criteria:	DIGG OVER AND DIGG OVE			
ISUP selection criteria:	PICS 6/1 AND PICS 6/3			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
	the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received;			
	the SIP From header field NDC+ SN has been received.		a URI with an ide	entity in the format "+" CC+
	a Privacy header field was "id".	received a	nd the priv-value	e component is set to
	sends an IAM message with the Ca	alling party	number param	eter coded:
	Address signals = default	number		
	Screening indicator = netv	vork provide	ed	
	Number Incomplete Indica	tor = PIXIT		
	Numbering plan indicator :	= ISDN nun	nbering plan	
	Address Presentation Restricted Indicator = Presentation restricted			
	NoAS: NoA_VALUE			
	with the Generic number parameter coded:			
	Address signals = number provided by the user			
	Screening indicator = user provided, not verified			
	Number Incomplete Indicator = complete			
	Numbering plan indicator :	= ISDN nun	nbering plan	
	Address Presentation Res	tricted Indic	cator = Presenta	tion restricted
	NoAS: NoA_VALUE			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 			
	else set to "international n	umber".		
	SIP INVITE →	SUT	→	ISUP IAM

Table 42

Values f	Values for test purposes TP5011010				
		SIP Parameter values:	ISUP Parameter value Address Format:		
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN		
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN		

TP5011011		SIP reference: RFC 3261 [6]		reference: 2.5 [1], clause 6.1.3.6
TSS reference:	SIP-ISU	P/SS/CLI/	110-1 Nec Q.1312	Lio [1], clause o. 1.5.0
SIP selection criteria:	0 100	1700/021/		
ISUP selection criteria:				
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
rest purpose.	•	the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; the SIP From header field containing a URI with an identity in the format "+" CC+		
	•	NDC+ SN has not been received; a Privacy header field has not been	received.	
	sends a	n IAM message with the Calling party	number parameter	coded:
		Address signals = number derived fr	om SIP P-Asserted-Id	dentity
		Screening indicator = network provided		
		Number Incomplete Indicator = PIXIT		
		Numbering plan indicator = ISDN numbering plan		
		Address Presentation Restricted Indicator = Presentation allowed		
		NoAS: NoA_VALUE		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	•	If CC is equal to the country code of next BICC/ISUP node is located in the (significant) number";		
	•	else set to "international number".		
	SIP INVITE	SUT →	→	ISUP IAM

Values for	Values for test purposes TP5011011				
		SIP Parameter values:	ISUP Parameter value Address Format:		
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN		
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN		

TP5011012		SIP reference: RFC 3261 [6]	ISUP reference:	
			ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISU	P/SS/CLI/		
SIP selection criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure t	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:		
	•	CC+ NDC+ SN has been received;		
	•	•	and the priv-value component is set to	
	sends a	n IAM message with the Calling part	y number parameter coded:	
		Address signals = number derived f	rom SIP P-Asserted-Identity	
		Screening indicator = network provided		
		Number Incomplete Indicator = PIXIT		
		Numbering plan indicator = ISDN nu	mbering plan	
		Address Presentation Restricted Ind	icator = Presentation allowed	
		NoAS: NoA_VALUE		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	•	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 		
	•	else set to "international number".		
	SIP INVITE	SUT →	ISUP → IAM	

		SIP Parameter values:	ISUP Parameter value Address Format
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN

TP5011013	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6		
TSS reference:	SIP-ISUP/SS/CLI/	110 1 100 4:1012:0 [1], olddod o:110:0		
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
	 the SIP P-Asserted-Identity containing CC+ NDC+ SN has been received; 	ng a URI with an identity in the format "+"		
	the SIP From header field containing NDC+ SN has not been received;	 the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; 		
	 a Privacy header field was received and the priv-value component is set to "header". 			
	sends an IAM message with the Calling party number parameter coded:			
	Address signals = number derived from SIP P-Asserted-Identity			
	Screening indicator = network provided			
	Number Incomplete Indicator = PIX	IT		
	Numbering plan indicator = ISDN n	umbering plan		
	Address Presentation Restricted Indicator = Presentation restricted			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	SIP SUT	ISUP		
	INVITE →	→ IAM		

TP5011014	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISUP/SS/CLI/	110 1 1100 4.1012.0 [1], olddod 0110.0	
SIP selection criteria:			
ISUP selection criteria:			
Test purpose:	Ensure that the SUT in the Idle state, on receive	ipt of a INVITE message where:	
	 the SIP P-Asserted-Identity containing CC+ NDC+ SN has been received; 	ng a URI with an identity in the format "+"	
	 the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; 		
	a Privacy header field was received and the priv-value component is set to "user".		
	sends an IAM message with the Calling party number parameter coded:		
	Address signals = number derived from SIP P-Asserted-Identity		
	Screening indicator = network provided		
	Number Incomplete Indicator = PIXI	Т	
	Numbering plan indicator = ISDN nu	mbering plan	
	Address Presentation Restricted Ind	icator = Presentation restricted	
SIP Parameter values:			
ISUP Parameter values:			
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	

TP5011015	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], clause 6.1.3.6		
TSS reference:	SIP-ISUP/SS/CLI/			
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where: the SIP P-Asserted-Identity containing a URI with an identity in the format "+"			
	CC+ NDC+ SN has been received	,		
	 the SIP From header field containin NDC+ SN has not been received; 	 the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; 		
	a Privacy header field was received and the priv-value component is set to "id".			
	sends an IAM message with the Calling party number parameter coded:			
	Address signals = number derived from SIP P-Asserted-Identity			
	Screening indicator = network provided			
	Number Incomplete Indicator = PIX	Т		
	Numbering plan indicator = ISDN no	umbering plan		
	Address Presentation Restricted Inc	dicator = Presentation restricted		
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	SIP SUT	ISUP		
	INVITE →	→ IAM		

Table 45: Void.

TP5011016		SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISU	P/SS/CLI/	110 1 100 4:1312.3 [1], clause 0:1:0:0	
SIP selection criteria:				
ISUP selection criteria:	PICS 6/3			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
	•	 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; 		
	•	the SIP From header field containing NDC+ SN has been received;	g a URI with an identity in the format "+" CC+	
	•	a Privacy header field has not been	received.	
	sends a	n IAM message with the Calling part	y number parameter coded:	
		Address signals = number derived f	rom SIP P-Asserted-Identity	
		Screening indicator = network provid	ded	
		Number Incomplete Indicator = PIXIT		
	Numbering plan indicator = ISDN numbering plan			
		Address Presentation Restricted Indicator = Presentation allowed		
		NoAS: NoA_VALUE		
	with the	Generic number parameter coded:		
		Address signals = number provided	by the user	
		Screening indicator = user provided,	not verified	
	Number Incomplete Indicator = complete			
	Numbering plan indicator = ISDN numbering plan			
		Address Presentation Restricted Ind	icator = Presentation allowed	
	NoAS: NoA_VALUE			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 			
	•	else set to "international number".		
	SIP INVITE	SUT	ISUP → IAM	

Table 46

Values f	Values for test purposes TP5011016				
		SIP Parameter values:	ISUP Parameter value Address Format:		
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN		
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN		

TP5011017		SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISU	P/SS/CLI/	[-],	
SIP selection criteria:				
ISUP selection criteria:	PICS 6/3			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
	•	 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; 		
	•	the SIP From header field containing NDC+ SN has been received;	g a URI with an identity in the format "+" CC+	
	•	a Privacy header field was received "none".	and the priv-value component is set to	
	sends a	n IAM message with the Calling part	ty number parameter coded:	
		Address signals = number derived f	from SIP P-Asserted-Identity	
		Screening indicator = network provide	ded	
		Number Incomplete Indicator = PIXI	Т	
	Numbering plan indicator = ISDN numbering plan			
		Address Presentation Restricted Indicator = Presentation allowed		
		NoAS: NoA_VALUE		
	with the	Generic number parameter coded:		
		Address signals = number provided	by the user	
		Screening indicator = user provided,	, not verified	
	Number Incomplete Indicator = complete			
		Numbering plan indicator = ISDN nu	umbering plan	
		Address Presentation Restricted Ind	dicator = Presentation allowed	
		NoAS: NoA_VALUE		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 			
	•	else set to "international number".		
	SIP INVITE	SUT →	ISUP → IAM	

Table 47

Values for test purposes TP5011017				
		SIP Parameter values:	ISUP Parameter value Address Format:	
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN	
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN	

TP5011018	5	SIP reference: RFC 3261 [6]	_	UP reference:
TSS reference:	SIP-ISU	P/SS/CLI/	IIU-I Rec Q.	1912.5 [1], clause 6.1.3.6
SIP selection	0	1,700,021		
criteria:	PICS 6/3			
criteria:	FICS 6/3	5		
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
	•	 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; 		
	•	the SIP From header field containing NDC+ SN has been received;	g a URI with an id	lentity in the format "+" CC+
	•	a Privacy header field was received "header".	and the priv-valu	e component is set to
	sends ar	n IAM message with the Calling part	y number param	neter coded:
		Address signals = number derived f	rom SIP P-Asser	ted-Identity
		Screening indicator = network provid	led	
		Number Incomplete Indicator = PIXI	Т	
		Numbering plan indicator = ISDN numbering plan		
		Address Presentation Restricted Indicator = Presentation restricted		
		NoAS: NoA_VALUE		
	with the	Generic number parameter coded:		
		Address signals = number provided	by the user	
		Screening indicator = user provided,	not verified	
		Number Incomplete Indicator = complete		
		Numbering plan indicator = ISDN numbering plan		
		Address Presentation Restricted Ind	icator = Presenta	tion restricted
		NoAS: NoA_VALUE		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number";			
	•	else set to "international number".		
	SIP INVITE	SUT →	->	ISUP IAM

Table 48

		SIP Parameter values:	ISUP Parameter value Address Format:
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN

TP5011019	SIP reference: RFC 3261 [6]	ISUP reference:		
TSS reference:	SIP-ISUP/SS/CLI/	ITU-T Rec Q.1912.5 [1], clause 6.1.3.6		
SIP selection	SII -IGGI /GG/GEI/			
criteria:	DIOC 0/0			
ISUP selection criteria:	PICS 6/3			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
		 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; 		
	 the SIP From header field contain NDC+ SN has been received; 	the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has been received;		
	a Privacy header field was receiv "user".	ed and the priv-value component is set to		
	sends an IAM message with the Calling p	arty number parameter coded:		
	Address signals = number derive	d from SIP P-Asserted-Identity		
	Screening indicator = network pro	ovided		
	Number Incomplete Indicator = P	Number Incomplete Indicator = PIXIT		
	Numbering plan indicator = ISDN	Numbering plan indicator = ISDN numbering plan		
	Address Presentation Restricted	Address Presentation Restricted Indicator = Presentation restricted		
	NoAS: NoA_VALUE			
	with the Generic number parameter coded	:		
	Address signals = number provid	ed by the user		
	Screening indicator = user provid	ed, not verified		
	Number Incomplete Indicator = c	Number Incomplete Indicator = complete		
	Numbering plan indicator = ISDN	Numbering plan indicator = ISDN numbering plan		
	Address Presentation Restricted	Indicator = Presentation restricted		
	NoAS: NoA_VALUE			
SIP Parameter values:				
ISUP Parameter values:				
Comments:	If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number";			
	else set to "international number"			
	SIP SU INVITE →	T ISUP → IAM		

Table 49

Values f	or test purposes TP5011019	SIP Parameter values:	ISUP Parameter value
			Address Format:
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN

TP5011020		SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISU	P/SS/CLI/	110-1 Net Q. 1912.5 [1], clause 0.1.5.0	
SIP selection	000	. , , , , , , , , , , , , , , , , , , ,		
criteria:	PICS 6/3	3		
criteria:	1 100 0/3			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:			
	•	 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has been received; 		
	•	the SIP From header field containing NDC+ SN has been received;	g a URI with an identity in the format "+" CC+	
	•	a Privacy header field was received	and the priv-value component is set to "id".	
	sends a	n IAM message with the Calling part	y number parameter coded:	
		Address signals = number derived fr	om SIP P-Asserted-Identity	
		Screening indicator = network provide	led	
		Number Incomplete Indicator = PIXI	Г	
	Numbering plan indicator = ISDN numbering plan			
		Address Presentation Restricted Indicator = Presentation restricted		
		NoAS: NoA_VALUE		
	with the	Generic number parameter coded:		
		Address signals = number provided	by the user	
		Screening indicator = user provided,	not verified	
	Number Incomplete Indicator = complete			
	Numbering plan indicator = ISDN numbering plan			
		Address Presentation Restricted Ind	icator = Presentation restricted	
		NoAS: NoA_VALUE		
SIP Parameter values:				
ISUP Parameter values:				
Comments:	 If CC is equal to the country code of the country where I-IWU is located AND the next BICC/ISUP node is located in the same country then set to "national (significant) number"; 			
	•	else set to "international number".		
	SIP INVITE	SUT →	ISUP → IAM	

Table 50

values i	or test purposes TP5011020	SIP Parameter values:	ISUP Parameter value Address Format:
VA_01	NoAS_VALUE: "national (significant) number"	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	NDC+SN
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	From, userinfo component of URI assumed to be in form "+" CC+NDC+SN	CC+NDC+SN

TP5011021	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISUP/SS/CLI/		
SIP selection			
criteria:			
ISUP selection	PICS 6/1 AND PICS 6/11		
criteria:			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:		
	 the SIP P-Asserted-Identity containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received; 		
	the SIP From header field containing a URI with an identity in the format "+" CC+ NDC+ SN has not been received;		
	a Privacy header field has not been received.		
	sends an IAM message with the Calling party number parameter coded:		
	Address signals = absent		
	Screening indicator = network provided		
	Nature of address indicator = 0000000		
	Number Incomplete Indicator = 0		
	Numbering plan indicator = 000		
	Address Presentation Restricted Ind	icator = Address not available	
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	

TP5011022	SIP reference: RFC 3261 [6]	ISUP reference:	
175011022	Sir felerence. KFC 3201 [0]	ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
TSS reference:	SIP-ISUP/SS/CLI/	110-1 Net Q.1312.3 [1], clause 0.1.3.0	
SIP selection	OII ICOI /OC/OLI/		
criteria:			
ISUP selection	PICS 1/9		
criteria:			
Test purpose:	Ensure that the SUT in the Idle state, on receipt of a INVITE message where:		
	the SIP P-Asserted-Identity contain "+" CC+ NDC+ SN has been receiv " **Tender of the SIP P-Asserted in	ning a SIP URI with an identity 1 in the format red without user = phone;	
	the SIP P-Asserted-Identity containing a Tel URI with an identity 2 in the format "+" CC+ NDC+ SN has been received;		
	a Privacy header field has not been received.		
	sends an IAM message with the Calling party number parameter coded:		
	Address signals = identity 2		
	Screening indicator = network provided		
	Number Incomplete Indicator = PIXIT		
	Numbering plan indicator = ISDN numbering plan		
	Address Presentation Restricted Ind	icator = Presentation allowed	
	NoAS: NoA_VALUE		
SIP Parameter			
values:			
ISUP Parameter			
values:			
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	

TP5011023	SIP referenc	e: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 6.1.3.6
TSS reference:	SIP-ISUP/SS/CLI/		110-1 Nec 4 .1312.3 [1], clause 0.1.3.0
SIP selection criteria:	311 1001 700/0EI		
ISUP selection criteria:	PICS 1/9 AND PICS	6/1 AND PICS 6/12	
Test purpose:	the SIP P-A CC+ NDC+ the SIP Fro NDC+ SN h a Privacy h sends an IAM messa Address sig Screening i Number Inc	Asserted-Identity containing SN has not been received; m header field containing has not been received; eader field has not been age with the Calling party gnals = default number andicator = network provides complete Indicator = PIXIT plan indicator = ISDN number essentation Restricted Indicator	a URI with an identity in the format "+" CC+ received. y number parameter coded:
SIP Parameter			
values:			
ISUP Parameter values:			
Comments:	SIP INVITE	SUT →	ISUP → IAM

TP5011024	SIP reference: RFC 3261 [6]	ISUP reference:	
TSS reference:	SIP-ISUP/SS/CLI/	ITU-T Rec Q.1912.5 [1], clause 6.1.3.6	
SIP selection	OII TOOT /OO/OE!/		
criteria:	DIOC 4/0 AND DIOC 0/4 AND DIOC 0/0 AND	DIO0 040	
ISUP selection criteria:	PICS 1/9 AND PICS 6/1 AND PICS 6/3 AND PICS 6/12		
Test purpose:	Ensure that the SUT in the Idle state, on recei	re that the SUT in the Idle state, on receipt of a INVITE message where:	
	the SIP P-Asserted-Identity containing CC+ NDC+ SN has not been received.	ng a URI with an identity in the format "+" ed;	
	the SIP From header field containing NDC+ SN has been received;	g a URI with an identity in the format "+" CC+	
	a Privacy header field has not been	received.	
	sends an IAM message with the Calling part	y number parameter coded:	
	Address signals = default number		
	Screening indicator = network provide	led	
	Number Incomplete Indicator = PIXI	Number Incomplete Indicator = PIXIT	
	Numbering plan indicator = ISDN nu	Numbering plan indicator = ISDN numbering plan	
	Address Presentation Restricted Ind network	Address Presentation Restricted Indicator = Presentation restricted by the network	
	NoAS: NoA_VALUE		
	with the Generic number parameter coded:		
	Address signals = number provided	Address signals = number provided by the user	
	Screening indicator = user provided,	Screening indicator = user provided, not verified	
	Number Incomplete Indicator = comp	Number Incomplete Indicator = complete	
	Numbering plan indicator = ISDN nu	mbering plan	
	Address Presentation Restricted Indicator = Presentation allowed		
	NoAS: NoA_VALUE		
SIP Parameter values:			
ISUP Parameter values:			
Comments:	SIP SUT INVITE →	ISUP → IAM	

Table 51

	Nature of address indicator SIP Parameter values:		ISUP Parameter value
			Address Format
VA_0 1	NoAS_VALUE: "national (significant) number"	CC contained in the P-Asserted-Identity is equal to the country where the I-IWU is located and the next BICC/ISUP node is in the same country	NDC+SN
VA_0 2	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	CC contained in the P-Asserted-Identity is not equal to the country where the I-IWU is located or the next BICC/ISUP node is not in the same country	CC+NDC+SN

6.3.1.2 Call Hold (HOLD)

TP502001	SIP reference: RFC 3261 [6]	ISUP reference:	
	ITU-T Rec Q.1912.5 [1], annex B.10		
TSS reference:	SIP-ISUP/SS/HOLD/		
SIP selection	PICS 5/5		
criteria:			
ISUP selection			
criteria:			
Test purpose:	Ensure that a party can put the other party on hold at any time after the call is answered and before call clearing has begun. Ensure that a party can retrieve the call previously put on hold:		
	The calling party should be able to p	ut the other party on hold.	
	The calling party should be able to re	etrieve the other party.	
	The called party should be able to put	ut the other party on hold.	
	The called party should be able to re	etrieve the other party.	
SIP Parameter values:	SDP: a=sendonly or a=inactive (put or a=sendrecv or a=recvonly or or	n hold) nitted (retrieve the call)	
ISUP Parameter		vent indicator PROGRESS (put on hold)	
values:		al event indicator PROGRESS (retrieve the	
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
	180 Ringing ←	← ACM	
	200 OK INVITE ←	← ANM	
	INVITE(sendonly) 200 OK(recvonly) →	→ CPG(hold)	
	INVITE 200 OK(sendrecv or absent) ←	→ CPG(retrieve)	
	INVITE(sendonly) 200 OK(recvonly ←	← CPG(hold)	
	INVITE(sendrecv or absent) ← 200 OK(sendrecv or absent) →	← CPG(retrieve)	

TP502002	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], annex B.10	
TSS reference:	SIP-ISUP/SS/HOLD/		
SIP selection criteria:	PICS 8/1 AND PICS 5/5		
ISUP selection criteria:			
Test purpose:	Ensure that a party can put the other party on party can retrieve the call previously put on he	old:	
	 The calling party should be able to p The calling party should be able to re 	' '	
SIP Parameter values:	SDP: a=sendonly or a=inactive (put on hold) a=sendrecv or a=recvonly or omitted (retrieve the call)		
ISUP Parameter values:	CPG: Generic notification: remote hold Event indicator PROGRESS (put on hold) Generic notification: remote retrieval event indicator PROGRESS (retrieve the call)		
Comments:	SIP SUT INVITE → 180 Ringing ←	ISUP → IAM ← ACM	
	UPDATE(sendonly) 200 OK(recvonly) ◆	→ CPG(hold)	
	UPDATE(sendrev or absent) → 200 OK(sendrecv or absent) ←	→ CPG(retrieve)	

TP502003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], annex B.10	
TSS reference:	SIP-ISUP/SS/HOLD/		
SIP selection criteria:	PICS 8/2 AND PICS 5/5		
ISUP selection criteria:			
Test purpose:	Ensure that a party can put the other party on the information necessary for processing the call previously put on hold:		
	The calling party should be able to put the other party on hold.		
	The calling party should be able to re	etrieve the other party.	
SIP Parameter values:	SDP: a=sendonly or a=inactive (put or a=sendrecv or a=recvonly or or	,	
ISUP Parameter values:		vent indicator PROGRESS (put on hold) event indicator PROGRESS (retrieve the call)	
Comments:	SIP INVITE UPDATE(sendonly) 200 OK(recvonly) UPDATE(sendrecv or absent) 200 OK(sendrecv or absent) ←	T ISUP → IAM ← ACM → CPG(hold) → CPG(retrieve)	

Table 52

Values for t	Values for test purpose TP502001, TP502002, TP502003		
←CPG ← INVITE			
Generic notification		SDP attribute line	
GEN_NOT_VALUE		a_LINE_VA	
VA_01 Remote hold		sendonly	
VA_02	Remote hold	inactive	

6.3.1.3 Terminal portability (TP)

TP503001	SIP reference: RFC 3261 [6]		P reference:
T00 (OLD TOTAL CONTROL	110-1 Rec Q.	1912.5 [1], annex B.10
TSS reference:	SIP-ISUP/SS/TP/		
SIP selection	PICS 8/3		
criteria:			
ISUP selection	PICS 5/6		
criteria:			
Test purpose:	Ensure that the SUT stop the temporarily	sending one or more u	nicast media streams if a
	SUS message (ISDN subscriber initiated)	was received.	
	Ensure that the SUT retrieved the media s	stream if an RES mess	age (ISDN subscriber
	initiated) was received.		•
SIP Parameter	SDP: a=sendonly or a=inactive (suspended)		
values:	a=sendrecv or a=recvonly o	r omitted (resumed)	
ISUP Parameter	SUS: Suspend/Resume indicator ISDN subscriber initiated		
values:	RES: Suspend/Resume indicator ISE	N subscriber initiated	
Comments:	SIP SU	JT	ISUP
	INVITE →	→	IAM
	180 Ringing ←	←	ACM
	200 OK INVITE	-	ANM
	_		
	INVITE	←	SUS
	INVITE ←	←	RES

TP503002	SIP reference: RFC 32	261 [6]	IS	UP reference:
			ITU-T Rec C).1912.5 [1], annex B.10
TSS reference:	SIP-ISUP/SS/TP/			
SIP selection	PICS 5/6			
criteria:				
ISUP selection	PICS 4/19			
criteria:				
Test purpose:	Ensure that the SUT stop the t	•	•	unicast media streams if a
	SUS message (ISDN subscrib	er initiated) was	s received.	
				DOTAL
	Ensure that the connection is o			ne PSTN.
SIP Parameter	SDP: a=sendonly or a=ina	active (suspend	led)	
values:				
ISUP Parameter	SUS: Suspend/Resume in	ndicator ISDN s	ubscriber initiated	d
values:				
Comments:	SIP	SUT		ISUP
	INVITE ->		→	IAM
	180 Ringing ←		←	ACM
	200 OK INVITE ←		←	ANM
	INVITE		←	SUS
			TOi	
			T2 expiry	
	BYE ←		←	REL
	200 OK BYE →		>	RLC

Table 53: Void.

6.3.1.4 Conference calling (CONF)

TP504001	SIP reference: RFC 3261 [6]	NGN reference: ES 283 027 (see bibliography), clause 7.4.14	
TSS reference:	SIP-ISUP/SS/CONF/		
SIP selection	PICS 8/2		
criteria:			
ISUP selection criteria:	PICS 5/10		
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a CPG message Generic notification indicator with the value GEN_NOT_VALUE was received due to the CONF supplementary service. • If the media stream is either in state "sendonly" or "inactive" then: INVITE with the attribute line a_LINE_VA , or omitted attribute line, else: no mapping.		
SIP Parameter values:	SDP: a= a_LINE_VA (see table 54) or a line is omitted		
ISUP Parameter	CPG: Generic notification = Conference established		
values:	CPG: Generic notification = GEN_NOT_VALUE		
Comments:	SIP SUT	ISUP	
	INVITE →	→ IAM	
	180 Ringing ←	← ACM	
	200 OK INVITE ←	← ANM	
	If the media stream is either in state "sendonly" or "inactive"		
	INVITE	← CPG	
	INVITE	← CPG	
	BYE ← 200 OK BYE →	← REL → RLC	

TP504002	SIP reference: RFC 3261 [6]	ES 283 027 (reference: see bibliography), use 7.4.14
TSS reference:	SIP-ISUP/SS/CONF/		
SIP selection	PICS 8/1		
criteria:			
ISUP selection criteria:	PICS 5/10		
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a CPG message Generic notification indicator with the value "reattached" was received due to the CONF supplementary service in the ALERTING state. • If the media stream is either in state "sendonly" or "inactive" then: INVITE with the attribute line "a=sendrecv", or omitted attribute line, or "a= recvonly" for the offered media stream, else: no mapping.		
SIP Parameter values:	SDP: a= a_LINE_VA (see table 54) or a line is omitted		
ISUP Parameter	CPG: Generic notification = Conference established		
values:	CPG: Generic notification = GEN_NC		
Comments:	SIP SU		ISUP
	INVITE →	→	IAM
	180 Ringing ←	←	ACM
	If the media stream is either in state "sendonly" or "inactive"		
	UPDATE ←	←	CPG
	UPDATE ←	←	CPG
	BYE	← →	REL RLC

Values for to	Values for test purpose TP504001, TP504002		
←INVITE/UPDATE		← CPG	
SDP attribute line		Generic notification	
a_LINE_VA		GEN_NOT_VALUE	
VA_01	sendrecv, or recvonly	Conference established	
VA_02	sendrecv or recvonly	Conference disconnected	

TP504003	SIP reference: RFC 3261 [6]	ES 283 027 (reference: see bibliography), use 7.4.14			
TSS reference:	SIP-ISUP/SS/CONF/					
SIP selection	PICS 8/2					
criteria:						
ISUP selection	PICS 5/10					
criteria:						
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a					
	CPG message Generic notification indicator with the value GEN_NOT_VALUE was					
	received due to the CONF supplementary service.					
	 If the media stream is either in state "sendonly" or "inactive" then: INVITE with the attribute line a_LINE_VA, or omitted attribute line, else: no mapping. 					
SIP Parameter	SDP: a= a_LINE_VA (see table 55) or a line is omitted					
values:						
ISUP Parameter	CPG: Generic notification = Conference established					
values:	CPG: Generic notification = GEN_NOT_VALUE					
Comments:	SIP SUT	_	ISUP			
	INVITE -	→	IAM			
	180 Ringing ←	(ACM			
	200 OK INVITE ←	←	ANM			
	If the media stream is either in state "sendonly" or "inactive"					
	INVITE ←	←	CPG			
	INVITE ←	←	CPG			
	BYE	← →	REL RLC			

TP504004	SIP referen	nce: RFC 3261 [6]	ES 283 02	IGN reference: 27 (see bibliography), clause 7.4.14		
TSS reference:	SIP-ISUP/SS/CONF/					
SIP selection criteria:	• PICS 8/1					
ISUP selection criteria:	• PICS 5/1	0				
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a CPG message Generic notification indicator with the value GEN_NOT_VALUE was received due to the CONF supplementary service in the ALERTING state. • If the media stream is either in state "sendonly" or "inactive" then: INVITE with the attribute line "a=sendrecv", or omitted attribute line, or "a= recvonly" for the offered media stream. else: no mapping					
SIP Parameter	SDP: a= a_LINE_VA(see table 55) or a line is omitted					
values:						
ISUP Parameter values:	CPG: Generic notification = Conference established CPG: Generic notification = GEN_NOT_VALUE					
Comments:	SIP	SUT		ISUP		
	INVITE	→	→	IAM		
	180 Ringing	←	←	ACM		
	If the media stream is either in state "sendonly" or "inactive"					
	UPDATE	←	←	CPG		
	UPDATE	←	←	CPG		
	BYE 200 OK BYE	← →	← →	REL RLC		

Table 55

Values for	Values for test purpose TP504003, TP504004					
	←INVITE/UPDATE	← CPG				
	SDP attribute line	Generic notification				
	a_LINE_VA	GEN_NOT_VALUE				
VA_01	sendonly or inactive	<u>isolated</u>				
VA_02	sendrecy or recyonly or omitted	reattached				

TP504005	SIP reference: RFC 3261 [6]	NGN reference:
		ITU-T Rec Q.1912.5 [1], annex B.14
TSS reference:	SIP-ISUP/SS/CONF/	
SIP selection criteria:	NOT PICS 8/1 AND NOT PICS 8/2	
ISUP selection criteria:		
Test purpose:	Ensure that the SUT on receipt of a CPG mes service, the Generic notification indicator with No mapping, no disrupting the SIP proc	the value.
SIP Parameter values:	No mapping	
ISUP Parameter values:	CPG: Generic notification = Conference of CPG: Generic notification = <u>isolated</u> CPG: Generic notification = <u>reattached</u> CPG: Generic notification = <u>Conference</u> of CPG:	
Comments:	SIP SUT INVITE → 180 Ringing ← 200 OK INVITE ←	ISUP IAM
	200 OK BYE →	RLC

6.3.1.5 Three Party service (3PTY)

TP505001	SIP reference: RFC 3261 [6]	ES 283 027	N reference: (see bibliography), use 7.4.15		
TSS reference:	SIP-ISUP/SS/3PTY/				
SIP selection	PICS 8/2				
criteria:					
ISUP selection	PICS 5/5 AND PICS 5/19				
criteria:					
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a CPG message Generic notification indicator with the value GEN_NOT_VALUE was received due to the 3PTY supplementary service. • If the media stream is either in state "sendonly" or "inactive" then: INVITE with the attribute line a_LINE_VA , or omitted attribute line, else: no mapping.				
SIP Parameter	SDP: a=_a_LINE_VA (see table 56)				
values:					
ISUP Parameter	CPG: notification = remote hold				
values:	CPG: Generic notification = GEN_NOT_ \	VALUE			
Comments:	SIP SUT		ISUP		
	INVITE →	→	IAM		
	180 Ringing ←	←	ACM		
	200 OK INVITE ←	←	ANM		
	INVITE	←	CPG(hold)		
	INVITE	←	CPG		
	INVITE	←	CPG		
	BYE ←	←	REL		
	200 OK BYE →	→	RLC		

TP505002	SIP reference: RFC 3261 [6]	ES 283 02	GN reference: 7 (see bibliography), lause 7.4.15		
TSS reference:	SIP-ISUP/SS/3PTY/				
SIP selection criteria:	PICS 8/2				
ISUP selection criteria:	PICS 5/5 AND PICS 5/19				
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a CPG message Generic notification indicator with the value GEN_NOT_VALUE was received due to the 3PTY supplementary service in the ALERTING state. • If the media stream is either in state "sendonly" or "inactive" then: INVITE with the attribute line a_LINE_VA , or omitted attribute line, else: no mapping.				
SIP Parameter values:	SDP: a=_a_LINE_VA (see table 56)				
ISUP Parameter values:	CPG: Generic notification = remote hold CPG: Generic notification = GEN_NOT_				
Comments:	SIP SUT INVITE → 180 Ringing ← UPDATE	+ ← ← ←	ISUP IAM ACM CPG(hold) CPG CPG		
	BYE	← →	REL RLC		

Values for te	est purpose TP505001, TP505002	
	←INVITE/UPDATE	← CPG
	SDP attribute line	Generic notification
	a_LINE_VA	GEN_NOT_VALUE
VA_01	sendonly or inactive	Conference established
VA_02	sendrecv or recvonly or omitted	Conference disconnected

TP505003	SIP reference: RFC 3261 [6]	ES 283 027	N reference: (see bibliography), use 7.4.15
TSS reference:	SIP-ISUP/SS/3PTY/		
SIP selection criteria:	NOT PICS 8/1 AND NOT PICS 8/2		
ISUP selection criteria:			
Test purpose:	Ensure that the SUT on receipt of a CPG mes service, the Generic notification indicator with No mapping, no disrupting the SIP proced	the value.	PTY supplementary
SIP Parameter	No mapping		
values:			
ISUP Parameter	CPG: Generic notification = Conference e		
values:	CPG: Generic notification = Conference of	<u>lisconnected</u>	
Comments:	SIP SUT		ISUP
	INVITE →	→	IAM
	180 Ringing ←	(ACM
	200 OK INVITE ←	←	ANM
		←	CPG(hold)
		←	CPG
		←	CPG
	BYE 200 OK BYE →	← →	REL RLC

6.3.1.6 Connected line identification (COL)

TP506001	SIP reference	e: RFC 3261 [6]		ISUP reference: C Q.1912.5 [1], annex B.2
TSS reference:	SIP-ISUP/SS/COL/			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:		•		n ANM, does not disrupt the ped into any SIP message.
SIP Parameter values:				
ISUP Parameter values:	ANM: Connecte	d number Parameter		
Comments:	SIP INVITE 180 Ringing 200 OK INVITE	SUT + Conversation	→ ← ← Conversa	ISUP IAM ACM ANM ation
	BYE 200 OK BYE	→	→	REL RLC

6.3.1.7 Malicious call identification MCID

TP507001	SIP reference	: RFC 3261 [6]	ISUF	Preference:
			ITU-T Rec Q.	1912.5 [1], annex B.4
TSS reference:	SIP-ISUP/SS/MCID/			
SIP selection	PICS 9/1			
criteria:				
ISUP selection				
criteria:				
Test purpose:		an IDR is received retu		
		ID not included". The SI	P signalling proced	ure is not disrupted.
SIP Parameter	No influence			
values:				
ISUP Parameter	IDR: MCID reque			
values:	IRS: MCID not in	ncluded		
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
			←	IDR
			→	IRS
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

TP507002	SIP reference	e: RFC 3261 [6]		Preference: 1912.5 [1], annex B.4
TSS reference:	SIP-ISUP/SS/MCID/		1 110 11100 41	
SIP selection criteria:	NOT PICS 9/1			
ISUP selection criteria:				
Test purpose:	Ensure that the SUT i not disrupted.	f an IDR is received, no	DIDR is sent. The SI	P signalling procedure is
SIP Parameter values:	No influence			
ISUP Parameter values:	IDR: MCID requ	ested		
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
			←	IDR
			T39 timeout	
	180 Ringing	←	←	ACM
	200 OK INVITE	-	←	ANM
		Conversation	Conversation	
	BYE 200 OK BYE	→	→	REL RLC

6.3.1.8 Sub-addressing (SUB)

TP508001	SIP reference	RFC 3261 [6]		eference: 12.5 [1], annex B.5	
TSS reference:	SIP-ISUP/SS/SUB/		110 1 1100 4110	1210 [1], almox 210	
SIP selection criteria:					
ISUP selection criteria:					
Test purpose:	Ensure that the SUT if a Sub address is received in an ATP parameter, the SIP signalling procedure is not disrupted.				
SIP Parameter values:	No mapping into any S	SIP message			
ISUP Parameter values:	ANM: ATP with a	Connected sub-address			
Comments:	SIP	SUT		ISUP	
	INVITE	→	→	IAM	
	180 Ringing	←	←	ACM	
	200 OK INVITE	-	←	ANM	
		Conversation	Conversation		
	BYE	→	→	REL	
	200 OK BYE	+	+	RLC	

6.3.1.9 Call diversion (CDIV)

TP509001	SIP referenc	e: RFC 3261 [6]	ISUP r	eference:
			ITU-T Rec Q.19	12.5 [1], annex B.6
TSS reference:	SIP-ISUP/SS/CDIV/			
SIP selection				
criteria:				
ISUP selection criteria:				
Test purpose:	and call diversion m	if an ACM is received wit nay occur indicator in the ccur", the SIP signalling p	optional backward c	all indicator is set to
SIP Parameter	No mapping	<u> </u>		, ,
values:				
ISUP Parameter	ACM optional backwa	ard call indicator		
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
			←	ACM
	180 Ringing	←	←	CPG
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

TP509002	SIP reference	ce: RFC 3261 [6]	ISU	P reference:
			ITU-T Rec Q.	.1912.5 [1], annex B.6
TSS reference:	SIP-ISUP/SS/CDIV/			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:	diversion informati	if a ACM is received cor ion, redirection number the SIP signalling procec	restriction and ge	eneric notification set to
SIP Parameter values:	No mapping	3 3		
ISUP Parameter values:		on number, Call diversion notification	information, Redire	ection number restriction,
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversati	ion
	BYE	→	→	REL
	200 OK BYE	(←	RLC

TP509003	SIP reference:	RFC 3261 [6]	ISUP refe	
			ITU-T Rec Q.1912	2.5 [1], annex B.6
TSS reference:	SIP-ISUP/SS/CDIV/			
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:			aining a Redirection nu	
			restriction and generic	
		SIP signalling procedu	ure is not disrupted (Cda	a, CFNR, subsequent
	redirection).			
SIP Parameter	No mapping			
values:				
ISUP Parameter		status "Subscriber free		
values:	CPG: Redirection	number, Call diversion	information, Generic no	tification
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
			←	CPG
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	←	←	RLC

TP509004	SIP reference	e: RFC 3261 [6]	ISUP reference:		
			ITU-T Rec Q.19	912.5 [1], annex B.6	
TSS reference:	SIP-ISUP/SS/CDIV/				
SIP selection criteria:					
ISUP selection criteria:					
Test purpose:		if an ANM is received wit signalling procedure is no		er restriction	
SIP Parameter values:	No mapping				
ISUP Parameter values:	ANM: Redirection	n number restriction			
Comments:	SIP INVITE 180 Ringing 200 OK INVITE	SUT → ← ← Conversation	→ ← ← Conversation	ISUP IAM ACM ANM	
	BYE 200 OK BYE	→ ←	→	REL RLC	

6.3.1.10 Call waiting (CW)

TP510001	SIP reference	e: RFC 3261 [6]	ISUP re	ference:
			ITU-T Rec Q.191	2.5 [1], annex B.9
TSS reference:	SIP-ISUP/SS/CW/			
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT	if an ACM with Generic	notification paramete	r = "Call is a waiting
	call", the SIP signalling	ng procedure is not disru	upted.	
SIP Parameter	No mapping			
values:				
ISUP Parameter	ACM: Generic no	otification parameter = "C	Call is a waiting call"	
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

TP510002	SIP referenc	e: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], a	nnex B.9
TSS reference:	SIP-ISUP/SS/CW/			
SIP selection criteria:				
ISUP selection criteria:				
Test purpose:		if a CPG with Generic ing procedure is not dis	notification parameter = "Call is rupted.	a waiting
SIP Parameter	No mapping			
values:				
ISUP Parameter		ty status "Subscriber fre		
values:	CPG: Generic n	otification parameter = '	Call is a waiting call"	
Comments:	SIP	SUT	ISUF	>
	INVITE	→	→ IAM	
	180 Ringing	-	← ACM	1
			← CPG	}
	200 OK INVITE	←	← ANN	1
		Conversation	Conversation	
	BYE	→	→ REL	
	200 OK BYE	+	← RLC	,

6.3.1.11 User to user signalling (UUS)

TP511001	SIP reference	: RFC 3261 [6]	ISUP ref	
			ITU-T Rec Q.1912	.5 [1], annex B.21
TSS reference:	SIP-ISUP/SS/UUS/			
SIP selection criteria:				
ISUP selection criteria:	PICS 11/1 AND PICS	11/2		
Test purpose:		f a FAR is received with etup, sent a FRJ to rejec		
SIP Parameter values:	·			
ISUP Parameter	FRJ: User-to-use	er indicator = "Service 3	not provided"	
values:			•	
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
			←	FAR
			→	FRJ
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	←	(RLC

TP511002	SIP reference: RFC 3261 [6]		ISUP refe ITU-T Rec Q.1912	
TSS reference:	SIP-ISUP/SS/UUS/			
SIP selection criteria:				
ISUP selection criteria:	NO PICS 11/2			
Test purpose:			an user-to- user servic e procedure is not disrupte	
SIP Parameter	•			
values:				
ISUP Parameter				
values:				
Comments:	SIP	SUT	-	ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversation	
			←	FAR
		Conversation	Conversation	
	BYE	→	→	REL
	200 OK BYE	(+	RLC

6.3.1.12 Explicit call transfer (ECT)

TP512001	SIP reference	e: RFC 3261 [6]		reference: 912.5 [1], annex B.8
TSS reference:	SIP-ISUP/SS/COL/			
SIP selection criteria:				
ISUP selection criteria:	PICS 12/1			
Test purpose:	indication "insufficier procedure.	if a LOP(request) is recent information" continue with a FAC is received continued.	ithout disrupting the	SIP signalling
SIP Parameter values:				
ISUP Parameter values:	LOP: Response	"insufficient information"		
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversatio	n
			←	LOP
			→	LOP
			←	FAC
		Conversation	Conversatio	n
	BYE	→	→	REL
	200 OK BYE	←	←	RLC

TP512002	SIP reference	e: RFC 3261 [6]	ISUF	reference:
			ITU-T Rec Q.	1912.5 [1], annex B.8
TSS reference:	SIP-ISUP/SS/COL/			
SIP selection				
criteria:				
ISUP selection	NO PICS 12/1			
criteria:				
Test purpose:		if a LOP(request) is rece	ived continue witho	ut disrupting the SIP
	signalling procedure.			
		if a FAC is received cont	inue without disrupt	ing the SIP signalling
	procedure.			
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	SIP	SUT		ISUP
	INVITE	→	→	IAM
	180 Ringing	←	←	ACM
	200 OK INVITE	←	←	ANM
		Conversation	Conversatio	
			←	LOP
		_	←	FAC
		Conversation	Conversatio	
	BYE	→	→	REL
	200 OK BYE	+	+	RLC

6.3.1.13 Completion of Call to Busy Subscriber (CCBS)

TP513001	SIP referen	nce: RFC 3261 [6]		ISUP reference:	
				ITU-T Rec Q.1912.5 [1], annex B.8	
TSS reference:	SIP-ISUP/SS/CCB	S/			
SIP selection					
criteria:					
ISUP selection					
criteria:					
Test purpose:	Ensure that the SU	T if a REL is recei	ved conta	ained a Diagnostic field and the CCBS indicate	or
	is coded as CCBS	possible:			
	 continue v 	without disrupting t	he SIP s	signalling procedure.	
SIP Parameter					
values:					
ISUP Parameter					
values:					
Comments:	SIP		SUT	ISUP	
	INVITE	→		→ IAM	
	BYE	←		← REL	
	200 OK BYE	→		→ RLC	

6.3.1.14 Completion of Calls on No reply (CCNR)

TP514001	SIP reference	e: RFC 3261 [6]	ISUP re	eference:
			ITU-T Rec Q.19	12.5 [1], annex B.8
TSS reference:	SIP-ISUP/SS/CCNR	/		
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT	if a ACM is received and	a CCNR Possible Ind	icator is included:
	 continue w 	ithout disrupting the SIP s	ignalling procedure.	
SIP Parameter				
values:				
ISUP Parameter				
values:				
Comments:	SIP	SUT		ISUP
Comments.	INVITE	→	→	IAM
	180 Ringing	←	÷	ACM
	200 OK INVITE	÷	È	ANM
	200 011 111112	•	•	7
		Conversation	Conversation	on
	BYE	→	→	REL
	200 OK BYE	←	←	RLC

6.3.1.15 Anonymous Call Rejection (ACR)

TP515001	SIP ref	erence: RFC 3261 [6]	IS	SUP reference:	
			ITU-T Rec	Q.1912.5 [1], annex B.8	
TSS reference:	SIP-ISUP/SS/	ACR/			
SIP selection					
criteria:					
ISUP selection	PICS 1/9				
criteria:					
Test purpose:	Ensure that the	e SUT, if a destination user has	subscribed the	ACR supplementary service:	
	the call attempt is rejected with a REL cause value 24 "call rejected due to ACR				
	supp	ementary service".			
SIP Parameter	INVITE:	Privacy-header = "id"			
values:	603 Decline:	Reason header field Reason:	ITU-T Rec Q.85	50 [5];cause=24	
ISUP Parameter	REL:	Cause value: 24 "call rejected	due to ACR su	pplementary service"	
values:					
Comments:	SIP	SUT		ISUP	
	INVITE	→	→	IAM	
	603 Decline	←	←	REL	
	ACK	→	→	RLC	

TP515002	SIP reference	e: RFC 3261 [6]		P reference:	
			IIU-I Rec Q.	.1912.5 [1], annex B.8	
TSS reference:	SIP-ISUP/SS/ACR/				
SIP selection criteria:					
ISUP selection criteria:	PICS 1/9 AND PICS	PICS 1/9 AND PICS 6/12			
Test purpose:	Ensure that the SUT	if a destination user has	subscribed the AC	R supplementary service:	
SIP Parameter	the call attempt is successful. INVITE: No P-Asserted-Identity header field and no Privacy header field present				
values:	INVITE: No P-Ass	erteu-identity neader heit	and no Phyacy ne	eader neid present	
ISUP Parameter values:	9 :	irty number Address pres by the network"	entation restriction	is set to "Presentation	
Comments:	SIP	SUT		ISUP	
	INVITE	→	→	IAM	
	180 Ringing	←	←	ACM	
	200 OK INVITE	←	←	ANM	
		Conversation	Conversation	on	
	BYE	→	→	REL	
	200 OK BYE	←	←	RLC	

6.3.2 Interworking from ISUP to SIP (Outgoing Call)

6.3.2.1 Calling Line Identification (CLI)

TP601001	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.2
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message whereby Calling Party Number parameter and the Generic Number are not applicable: Sends an INVITE message without the "P-Asserted-Identity header field", a "From header field" set to unavailable@hostportion and without a "Privacy Header field".	
SIP Parameter values:		
ISUP Parameter		
values:		
Comments:	ISUP/BICC SUT →	SIP → INVITE

TP61002	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection criteria:	PICS 4/18	
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message whereby Calling Party Number parameter is <u>not</u> applicable and the Generic Number is applicable whereby the address presentation restriction parameter is set to "presentation allowed" and the Nature of Address Indicator is set to NoAS_VALUE: • Sends an INVITE message without the "P-Asserted-Identity header field", a "From header field" and without a "Privacy Header field".	
SIP Parameter values:	P-Asserted-Identity header field: not included: Addr-spec: not included	
	From header field: Display-name (optional) and addr-spec: Addr-spec: Addr_SPEC_ID Display-name: display-name is derived from the Generic number (AcgPN) Privacy header: is not included	
ISUP Parameter	Generic Number: "additional calling party number"	
values:	Nature of Address Indicator: NoAS_VALUE	
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for test purpose TP601002;		
	ISUP Parameter values:	SIP Parameter values:
VA_01	IAM NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE FHf_Addr_SPEC_ID: CC (of the country where the IWU is located) is added to the Generic Number Address Signals and then mapped to user portion of URI scheme
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE FHf_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme used.

TP61003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection criteria:	NOT PICS 4/18	
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message whereby Calling Party Number parameter is <u>not</u> applicable and the Generic Number is applicable whereby the address presentation restriction parameter is set to "presentation allowed" and the Nature of Address Indicator is set to NoAS_VALUE Sends an INVITE message without the "P-Asserted-Identity header field", a "From header field" and without a "Privacy Header field".	
SIP Parameter values:	P-Asserted-Identity header field: not included: Addr-spec: not included	
	From header field: Display-name (optional) and addr-spec: Addr-spec: Addr_SPEC_ID Display-name: not supported	
ICUD Devemeter	Privacy header: is not included.	mb or"
ISUP Parameter values:	Generic Number: "additional calling party number" Nature of Address Indicator: NoAS VALUE	
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for test purpose TP601003;		
	ISUP Parameter values:	SIP Parameter values:
VA_01	IAM NoAS_VALUE: "national (significant) number" (NDC+SN)	INVITE FHf_Addr_SPEC_ID: CC (of the country where the IWU is located)is added to the Generic Number Address Signals and then mapped to user portion of URI scheme
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE FHf_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme used.

TP601004	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.3
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection	PICS 4/18 AND PICS 4/25	
criteria:		
ISUP selection		
criteria:	E di di di OUTI	AAA
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation allowed and the Generic Number is not applicable:	
	"addr-spec" is set to PAIh_Addr_SF	dr-spec" is set to FHf_Addr_SPEC_ID
SIP Parameter	P-Asserted-Identity header field:	
values:	Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: display-name is mapped from CgPN Address Signals From header field: Display-name (optional) and addr-spec: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number	
	parameter Address Signals)	
	Display-name: Display-name: display-name is mapped from CgPN Address Signals	
	Privacy header: is not included or if included, "id" is not included	
ISUP Parameter values:		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values f	Values for test purpose TP601004;		
	ISUP Parameter values:	SIP Parameter values:	
VA_01	NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE PAIh_Addr_SPEC_ID = FHf_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE PAIh_Addr_SPEC_ID= FHf_Addr_SPEC_ID: the complete to CgPN Signals is mapped to the user portion of URI scheme.	

TP601005	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.3
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection	NOT PICS 4/18 AND PICS 4/25	
criteria:		
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation allowed and the Generic Number is not applicable: • Sends an INVITE message with the "P-Asserted-Identity header field" where the "addr-spec" is set to PAIh_Addr_SPEC_ID; • a "From header field" where the "addr-spec" is set to FHf_Addr_SPEC_ID;	
	without "Privacy Header field" or "id" is not supported.	
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: display-name is mapped from CgPN Address Signals From header field: Display-name (optional) and addr-spec: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: not supported Privacy header: is not included or if included, "id" is not included.	
ISUP Parameter values:		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for	/alues for test purpose TP601005		
	ISUP Parameter values:	SIP Parameter values:	
VA_01	NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE PAIh_Addr_SPEC_ID = FHf_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE PAIh_Addr_SPEC_ID= FHf_Addr_SPEC_ID: the complete to CgPN Signals is mapped to the user portion of URI scheme.	

TP601006	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3
		110 1 100 4.1012.0 [1], olddod 111.0
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection criteria:	PICS 4/18 AND PICS 4/25	
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation restricted and the Generic Number is not applicable: • Sends an INVITE message with the "P-Asserted-Identity header field" where the "addr-spec" is set to PAIh_Addr_SPEC_ID, a "From header field" where the "addr-spec" is set to FHf_Addr_SPEC_ID and with "Privacy Header field".	
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: display-name is mapped from CgPN Address Signals From header field: Display-name (optional) and addr-spec: Addr-spec: Anonymous@Anonymous.invalid Display-name: Anonymous Privacy header: "id".	
ISUP Parameter values:		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for	Values for test purpose TP601006		
	ISUP Parameter values:	SIP Parameter values:	
VA_01	NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE PAIh_Addr_SPEC_ID = FHf_Addr_SPEC_ID: CC (of the country where the IWU is located) is added to the CgPN Signals and then mapped to user portion of URI scheme used	
	IAM NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE PAIh_Addr_SPEC_ID= FHf_Addr_SPEC_ID: the complete to CgPN Signals is mapped to the user portion of URI scheme.	

TP601007	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3
		[1], old discounting
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection	NOT PICS 4/18 AND PICS 4/25	
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation restricted and the Generic Number is not applicable: • Sends an INVITE message with the "P-Asserted-Identity header field" where the "addr-spec" is set to PAIh_Addr_SPEC_ID, a "From header field" where the "addr-spec" is set to FHf_Addr_SPEC_ID and with "Privacy Header field".	
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals)	
	Display-name: display-name is mapped from CgPN Address Signals	
	From header field: Display-name (optional) and addr-spec:	
	Addr-spec: Anonymous@Anonymous.invalid	
	Display-name: not supported	
	Privacy header: "id".	
ISUP Parameter values:		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for	Values for test purpose TP601007			
	ISUP Parameter values:	SIP Parameter values:		
VA_01	IAM	INVITE		
	NoAS_VALUE: "national (significant)	PAIh_Addr_SPEC_ID = FHf_Addr_SPEC_ID: CC (of the		
	number"(NDC+SN)	country where the IWU is located) is added to the CgPN		
		Signals and then mapped to user portion of URI scheme used		
VA_02	IAM	INVITE		
		PAIh_Addr_SPEC_ID= FHf_Addr_SPEC_ID: the complete to		
	("+"CC+NDC+SN)	CgPN Signals is mapped to the user portion of URI scheme.		

TP601008	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3	
TSS reference:	ISUP-SIP/SS/CLI/		
SIP selection	PICS 4/18 AND PICS 4/25		
criteria:	FICS 4/16 AND FICS 4/25		
ISUP selection criteria:			
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation allowed and the Generic Number is applicable: • Sends an INVITE message with the "P-Asserted-Identity header field", where the "addr-spec" is set to PAIh_Addr_SPEC_ID "From header field" where the "addr-spec" is set to FH_Addr_SPEC_ID and without "Privacy Header field" or "id" is not included.		
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: display-name is mapped from CgPN Address Signals From header field: Display-name (optional) and addr-spec: Addr-spec: FH_Addr_SPEC_ID (Derived from Generic Number parameter Address Signals (AcgPN)) Display-name: display-name is mapped from ACgPN Address Signals		
ICUD Devements	Privacy header: is not included or if included, "id" is not included.		
ISUP Parameter hbvalues:	Generic Number: "additional calling party number" Nature of Address Indicator: CP_NoAS_VALUE APRI: presentation allowed		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE	

Table 62a

Values for te	Values for test purpose TP601008			
test	ISUP Parameter values:	SIP Parameter values:		
purposes				
1	NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE FHf_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	INVITE PAIh_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	
VA_02	IAM NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE FHf_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme.	INVITE PAIh_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme used.	

TP601009	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3	
TSS reference:	ISUP-SIP/SS/CLI/		
SIP selection criteria:	NOT PICS 4/18 AND PICS 4/25		
ISUP selection criteria:			
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation allowed and the Generic Number is applicable:		
	 Sends an INVITE message with the "P-Asserted-Identity header field", where the "addr-spec" is set to PAIh_Addr_SPEC_ID "From header field" where the "addr-spec" is set to FH_Addr_SPEC_ID and without "Privacy Header field" or "id" is not included. 		
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals)		
	Display-name: display-name is mapped from CgPN Address Signals		
	From header field: Display-name (optional) and addr-spec:		
	Addr-spec: FH_Addr_SPEC_ID (Derived from Generic Number parameter Address Signals (AcgPN))		
	Display-name: not supported		
	Privacy header: is not included or if included, "id" is not included.		
ISUP Parameter	Generic Number: "additional calling party number"		
hbvalues:	Nature of Address Indicator: CP_NoAS_VALUE APRI: presentation restricted		
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE	

Values for	alues for test purpose TP601009			
	ISUP Parameter values:	SIP Parameter values:		
VA_01	IAM NoAS_VALUE: "national (significant) number"(NDC+SN)	FHf_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	INVITE PAIh_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	
VA_02	IAM NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE FHf_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme.	INVITE PAIh_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme used.	

TP601010	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], clause 7.1.3
		110 1 1100 4.1012.0 [1], olddod 11110
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection criteria:	PICS 4/18 AND PICS 4/25	
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation restricted and the Generic Number is applicable: • Sends an INVITE message with the "P-Asserted-Identity header field", where the "addr-spec" is set to PAIh_Addr_SPEC_ID "From header field" where the "addr-spec" is set to FH_Addr_SPEC_ID and with "Privacy Header field".	
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: display-name is mapped from CgPN Address Signals From header field: Display-name (optional) and addr-spec: Addr-spec: Anonymous@Anonymous.invalid Display-name: Anonymous	
ISUP Parameter values:	Privacy header: "id". Generic Number: "additional calling party number" Nature of Address Indicator: NoAS_VALUE APRI: presentation restricted	
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for	/alues for test purpose TP601010			
	ISUP Parameter values:	SIP Parameter values:		
VA_01	NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE FHf_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	INVITE PAIh_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	INVITE FHf_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme.	INVITE PAIh_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme used.	

TP601011	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], clause 7.1.3
TSS reference:	ISUP-SIP/SS/CLI/	
SIP selection criteria:	NOT PICS 4/18 AND PICS 4/25	
ISUP selection criteria:		
Test purpose:	Ensure that when the SUT has received an IAM message, the Calling Party Number is applicable whereby the Nature of Address Indicator is set to NoAS_VALUE the APRI is set to presentation restricted and the Generic Number is applicable: • Sends an INVITE message with the "P-Asserted-Identity header field", where the "addr-spec" is set to PAIh_Addr_SPEC_ID "From header field" where the "addr-spec" is set to FH_Addr_SPEC_ID and with "Privacy Header field".	
SIP Parameter values:	P-Asserted-Identity header field: Addr-spec: PAIh_Addr_SPEC_ID (Derived from Calling Party Number parameter Address Signals) Display-name: display-name is mapped from CgPN Address Signals From header field: Display-name (optional) and addr-spec: Addr-spec: Anonymous@Anonymous.invalid Display-name: not supported	
ISUP Parameter values:	Privacy header: "id". Generic Number: "additional calling party number" Nature of Address Indicator: NoAS_VALUE APRI: presentation restricted	
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE

Values for to	Values for test purpose TP601011			
Test purposes	ISUP Parameter values:	SIP Parameter values:		
VA_01	NoAS_VALUE: "national (significant) number"(NDC+SN)	INVITE FHf_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	INVITE PAIh_Addr_SPEC_ID: Add CC (of the country where the IWU is located) to CgPN Signals then map to user portion of URI scheme used	
VA_02	NoAS_VALUE: "international number" ("+"CC+NDC+SN)	FHf_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme.	INVITE PAIh_Addr_SPEC_ID: the complete GenericNumber Address Signals is mapped to the user portion of URI scheme used.	

6.3.2.2 Call Hold (HOLD)

TP602001	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], annex B.10	
TSS reference:	ISUP-SIP/SS/HOLD/		
SIP selection			
criteria:			
ISUP selection	PICS 5/5		
criteria:			
Test purpose:	 Ensure that a party can put the other party on hold at any time after the call is answered and before call clearing has begun. Ensure that a party can retrieve the call previously put on hold. The calling party should be able to put the other party on hold. The calling party should be able to retrieve the other party. The called party should be able to put the other party on hold. 		
	The called party should be able to re		
SIP Parameter	SDP: a=sendonly or a=inactive (put on hold)		
values:	a=sendrecv or a=recvonly or omitted (retrieve the call)		
ISUP Parameter values:	CPG: Generic notification: remote hold Event indicator PROGRESS (put on hold) Generic notification: remote retrieval event indicator PROGRESS (retrieve the		
Comments:	call)	CID	
Comments:	ISUP/BICC SUT IAM →	SIP → INVITE	
	ACM ←	€ 180 Ringing	
	ANM ←	← 200 OK INVITE	
	CPG(hold) →	→ INVITE(sendonly) ← 200 OK(recvonly)	
	CPG(retrieve) →	→ INVITE(sendrecv or absent)← 200 OK(sendrecv or absent)	
	CPG(hold) ←	← INVITE(sendonly)→ 200 OK(recvonly)	
	CPG(retrieve) ←	← INVITE(sendrecv or absent)→ 200 OK(sendrecv or absent)	

Values for test purpose TP602001			
	←CPG ← INVITE		
	Generic notification	SDP attribute line	
	GEN_NOT_VALUE	a_LINE_VA	
VA_01	Remote hold	sendonly	
VA 02	Remote hold	inactive	

TP602002	SIP reference: RFC 3261 [6]	ISUP reference:	
		ITU-T Rec Q.1912.5 [1], annex B.10	
TSS reference:	ISUP-SIP/SS/HOLD/		
SIP selection			
criteria:			
ISUP selection	PICS 5/5 AND PICS 8/1		
criteria:			
Test purpose:	Ensure that a party can put the other party on	hold in the alerting state. Ensure that the	
	party can retrieve the call previously put on ho	old.	
	 The calling party should be able to p 	ut the other party on hold	
	The calling party should be able to retrieve the other party		
SIP Parameter	CDD: a condent on a inactive (nut of	- h - l - l)	
	SDP: a=sendonly or a=inactive (put on hold)		
values:	a=sendrecv or a=recvonly or omitted (retrieve the call)		
ISUP Parameter	CPG: Generic notification: remote hold Event indicator PROGRESS (put on hold)		
values:	Generic notification: remote retrieval event indicator PROGRESS (retrieve the		
0	call)	O.D.	
Comments:	ISUP/BICC SUT	SIP	
	IAM →	→ INVITE	
	ACM ←	← 180 Ringing	
	000(11-1)	LIDDATE(
	CPG(hold) →	→ UPDATE(sendonly)	
		← 200 OK(recvonly)	
	CPG(retrieve) →	→ UPDATE(sendrecv or absent)	
	CPG(retrieve) →	UPDATE(sendrecv or absent)200 OK(sendrecv or absent)	
		200 Ort(Sendrecv or absent)	

TP602003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], annex B.10	
TSS reference:	ISUP-SIP/SS/HOLD/	110-1 Nec Q.1912.5[1], aimex B.10	
SIP selection	1301 -311 /33/110LD/		
criteria:			
ISUP selection	PICS 5/5 AND PICS 8/2		
criteria:	1 100 3/3 AND 1 100 0/2		
Test purpose:	Ensure that a party can put the other party on	hold after the calling user has provided all of	
	the information necessary for processing the call. Ensure that the party can retrieve the call previously put on hold. The calling party should be able to put the other party on hold. The calling party should be able to retrieve the other party.		
SIP Parameter	SDP: a=sendonly or a=inactive (put o	n hold)	
values:		nitted (retrieve the call)	
ISUP Parameter	ACM: called party status: no indication		
values:		vent indicator PROGRESS (put on hold)	
	Generic notification: remote retrieval event indicator PROGRESS (retrieve the		
Comments:	call) ISUP/BICC SUT	SIP	
Comments:	IAM →	→ INVITE	
	ACM ←	← 180 Ringing	
	ACIVI	100 Kinging	
	CPG(hold) →	UPDATE(sendonly)	
	or G(nota)	200 OK(recvonly)	
		200 011(10010111)	
	CPG(retrieve) → absent)	→ UPDATE(sendrecv or	
	abony	← 200 OK(sendrecv or absent)	

6.3.2.3 Terminal portability (TP)

TP603001	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], annex B.13
TSS reference:	ISUP-SIP/SS/TP/	
SIP selection		
criteria:		
ISUP selection criteria:	PICS 5/6	
Test purpose:	SUS message (ISDN subscriber initiat	rily sending one or more unicast media streams if a ed) was received.
SIP Parameter	SDP: a=sendonly or a=inactive	e (suspended)
values:	a=sendrecv or a=recvonl	y or omitted (resumed)
ISUP Parameter	SUS: Suspend/Resume indicator	ISDN subscriber initiated
values:	RES: Suspend/Resume indicator	ISDN subscriber initiated
Comments:	ISUP/BICC SU	JT SIP
	IAM →	→ INVITE
	ACM ←	← 180 Ringing
	ANM ←	← 200 OK INVITE
	SUS →	→ INVITE
	RES →	→ INVITE

TP603002	SIP reference: RFC 3261 [6]	ISUP	reference:
		ITU-T Rec Q.1	912.5 [1], annex B.13
TSS reference:	ISUP-SIP /SS/TP/		
SIP selection			
criteria:			
ISUP selection	PICS 5/6		
criteria:			
Test purpose:	Ensure that the SUT stop the temporarily send	•	icast media streams if a
	SUS message (ISDN subscriber initiated) was	received.	
			DOTN
	Ensure that the connection is cleared after T2		PSIN.
SIP Parameter	SDP: a=sendonly or a=inactive (suspe	ended)	
values:			
ISUP Parameter	SUS: Suspend/Resume indicator ISDN s	ubscriber initiated	
values:			
Comments:	ISUP/BICC SUT		SIP
	IAM →	→	INVITE
	ACM ←	←	180 Ringing
	ANM ←	←	200 OK INVITE
	SUS ->	→	INVITE
	T2 expiry		
	REL →	_	BYE
	RLC C	→	200 OK BYE
	INLO C	•	200 OK DTE

6.3.2.4 Conference calling (CONF)

TP604001	SIP reference: RFC 3261 [6]	ES 283 027 (se	ference: e bibliography), e 7.4.14
TSS reference:	ISUP-SIP/SS/CONF/		
SIP selection criteria:	PICS 8/2		
ISUP selection criteria:	PICS 5/10		
Test purpose:	Ensure that the SUT stop the temporarily CPG message Generic notification indicate received due to the CONF supplementar • If the media stream is either in attribute line a_LINE_VA, or or	ator with the value GEN_NC ry service. state "sendonly" or "inactive	T_VALUE was " then: INVITE with the
SIP Parameter values:	SDP: a= a_LINE_VA (see table 67)		-11 3
ISUP Parameter values:	CPG: Generic notification = GEN_N	OT_VALUE	
Comments:	ISUP/BICC IAM → ACM ← ANM ←	→	SIP INVITE 180 Ringing 200 OK INVITE
	CPG → CPG →	-	NVITE NVITE
	REL → RLC ←	=	BYE 200 OK BYE

TP604002	SIP reference: RFC 3261 [6]	NGN reference: ES 283 027 (see bibliography),	
		clause 7.4.14	
TSS reference:	ISUP-SIP/SS/CONF/	•	
SIP selection criteria:	PICS 8/1		
ISUP selection criteria:	PICS 5/10		
Test purpose:	Ensure that the SUT stop the temporarily sending one or more unicast media streams if a CPG message Generic notification indicator with the value GEN_NOT_VALUE was received due to the CONF supplementary service in the ALERTING state.		
	If the media stream is either in state attribute line a_LINE_VA, or omitted	"sendonly" or "inactive" then: INVITE with the dattribute line, else: no mapping.	
SIP Parameter values:	SDP: a= a_LINE_VA (see table 67) or a	line is omitted	
ISUP Parameter values:	CPG: Generic notification = GEN_NOT_	VALUE	
Comments:	ISUP/BICC SUT IAM → ACM ←	SIP → INVITE ← 180 Ringing	
	CPG → CPG →	→ UPDATE → UPDATE	
	REL → RLC ←	→ BYE 200 OK BYE	

Table 67

Values for	Values for test purpose TP604001, TP604002		
CPG o INVITE/UPDATE o			
Generic notification		SDP attribute line	
	GEN_NOT_VALUE	a_LINE_VA	
VA_01	Conference established	sendrecv, or recvonly	
VA_02	Conference disconnected	sendrecy or recyonly	

TP604003	SIP reference: RFC 3261 [6]	NGN reference: ES 283 027 (see bibliography), clause 7.4.14
TSS reference:	ISUP-SIP/SS/CONF/	
SIP selection criteria:	PICS 8/2	
ISUP selection criteria:	PICS 5/10	
Test purpose:	CPG message Generic notification indicarreceived due to the CONF supplementary • If the media stream is either in s	sending one or more unicast media streams if a for with the value GEN_NOT_VALUE was service. Seate "sendonly" or "inactive" then: INVITE with the tted attribute line, else: no mapping.
SIP Parameter values:	SDP: a= a_LINE_VA (see table 68) of	or a line is omitted
ISUP Parameter values:	CPG: Generic notification = Conferer CPG: Generic notification = GEN_NC	
Comments:	ISUP/BICC IAM ACM ANM CPG CPG CPG CPG CPG REL RLC	JT SIP INVITE 180 Ringing 200 OK INVITE INVITE INVITE INVITE INVITE BYE 200 OK BYE

TP604004	SIP reference: RFC 3261 [6]	NGN reference: ES 283 027 (see bibliography), clause 7.4.14
TSS reference:	ISUP-SIP/SS/CONF/	
SIP selection criteria:	PICS 8/1	
ISUP selection criteria:	PICS 5/10	
Test purpose:	CPG message Generic notification indicator received due to the CONF supplementary se	rvice in the ALERTING state. e "sendonly" or "inactive" then: INVITE with the
SIP Parameter values:	SDP: a= a_LINE_VA (see table 68) or a	a line is omitted
ISUP Parameter values:	CPG: Generic notification = Conference CPG: Generic notification = GEN_NOT_	
Comments:	ISUP/BICC SUT IAM ACM ← CPG CPG CPG CPG REL RLC ** ** ** ** ** ** ** ** **	SIP INVITE 180 Ringing UPDATE UPDATE UPDATE UPDATE BYE 200 OK BYE

Values for to	Values for test purpose TP604001, TP604002		
CPG→		INVITE/UPDATE→	
	Generic notification	SDP attribute line	
GEN_NOT_VALUE		a_LINE_VA	
VA_01	isolated	sendonly or inactive	
VA_02	reattached	sendrecv or recvonly or omitted	

TP604005	SIP reference: RFC 3261 [6]		UP reference:
T00 (HOLLD OLD (OC) (OC) IF (IIU-I Rec G	1.1912.5 [1], annex B.14
TSS reference:	ISUP-SIP/SS/CONF/		
SIP selection	NOT PICS 8/1		
criteria:			
ISUP selection	PICS 5/10		
criteria:			
Test purpose:	Ensure that the SUT on receipt of a CPG		CONF supplementary
	service, the Generic notification indicator	with the value.	
	No mapping, no disrupting the SIP proce	<u>dure.</u>	
SIP Parameter	No mapping		
values:			
ISUP Parameter	CPG: Generic notification = Confere	nce established	
values:	CPG: Generic notification = isolated		
	CPG: Generic notification = reattach		
	CPG: Generic notification = Confere		
Comments:		SUT	SIP
	IAM →	→	INVITE
	ACM ←	←	180 Ringing
	ANM ←	←	200 OK INVITE
	CPG →		
	DEL	•	DVE
	REL →	→	BYE
	RLC ←		200 OK BYE

6.3.2.5 Three Party service (3PTY)

TP605001	SIP reference: RFC 3261 [6]	NGN reference: ES 283 027 (see bibliography), clause 7.4.15
TSS reference:	ISUP-SIP/SS/3PTY/	
SIP selection criteria:	PICS 8/2	
ISUP selection criteria:	PICS 5/5 AND PICS 5/19	
Test purpose:	CPG message Generic notification indicate received due to the CONF supplementary • If the media stream is either in sta	
SIP Parameter values:	SDP: a= a_LINE_VA (see table 69) o	or a line is omitted
ISUP Parameter	CPG: Generic notification = remote ho	old
values:	CPG: Generic notification = GEN_NO	T_VALUE
Comments:	ISUP/BICC SU	JT SIP
	IAM →	→ INVITE
	ACM ←	← 180 Ringing
	ANM ←	€ 200 OK INVITE
	CPG →	→ INVITE
	CPG →	→ INVITE
	CPG →	→ INVITE
	REL → RLC ←	→ BYE 200 OK BYE

TP605002	SIP reference: RFC 3261 [6]	NGN reference:
		ES 283 027 (see bibliography), clause 7.4.15
TSS reference:	ISUP-SIP/SS/3PTY /	Clause 1.4.13
SIP selection	PICS 8/1	
criteria:		
ISUP selection criteria:	PICS 5/5 AND PICS 5/19	
Test purpose:	Ensure that the SUT stop the temporarily send CPG message Generic notification indicator was received due to the CONF supplementary send of the media stream is either in state attribute line a_LINE_VA, or omitted	vith the value GEN_NOT_VALUE was vice in the ALERTING state. "sendonly" or "inactive" then: INVITE with the
SIP Parameter values:	SDP: a= a_LINE_VA (see table 69) or a	line is omitted
ISUP Parameter	CPG: Generic notification = remote hold	
values:	CPG: Generic notification = GEN_NOT_\	/ALUE
Comments:	ISUP/BICC SUT	SIP
	IAM →	→ INVITE
	ACM ←	← 180 Ringing
	CPG →	→ UPDATE
	CPG →	→ UPDATE
	CPG →	→ UPDATE
	REL → RLC ←	→ BYE 200 OK BYE

Table 69

Values for to	Values for test purpose TP605001, TP605002				
	$CPG {\to}$	INVITE/UPDATE→			
	Generic notification	SDP attribute line			
	GEN_NOT_VALUE	a_LINE_VA			
VA_01	Conference established	sendrecv, or recvonly			
VA_02	Conference disconnected	sendrecv or recvonly			

TP605003	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], annex B.15		
TSS reference:	ISUP-SIP/SS/3PTY/	110 1 100 Q110 [1], unitex 2110		
SIP selection	NOT PICS 8/1 AND NOT PICS 8/2			
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT on receipt of a CPG me	ssage due to the 3PTY supplementary		
	service, the Generic notification indicator with	n the value.		
	No mapping, no disrupting the SIP procedure.			
SIP Parameter	No manning			
values:	No mapping			
ISUP Parameter	CPG: Generic notification = remote hold			
values:	CPG: Generic notification = Conference			
varaoo.	CPG: Generic notification = Conference			
Comments:	ISUP/BICC SUT	SIP		
	IAM →	→ INVITE		
	ACM ←	← 180 Ringing		
	ANM ←	← 200 OK INVITE		
	CPG →			
	CPG →			
	CPG →			
	REL →	→ BYE		
	RLC ←	200 OK BYE		

6.3.2.6 Connected line identification (COL)

TP606001	SIP reference	: RFC 3261 [6]	ISUP refe ITU-T Rec Q.1912	
TSS reference:	ISUP-SIP/SS//COL /		110-1 Nec Q.1912	[1], aililex D.2
SIP selection	1001 -011 /00//00L/			
criteria:				
ISUP selection				
criteria:				
Test purpose:		the IAM is received with		
	·	ted, continue without dis	srupting the SIP or ISUP	o signalling
	procedure.			
SIP Parameter	No mapping			
values:				
ISUP Parameter				
values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

6.3.2.7 Sub-addressing (SUB)

TP607001	SIP referer	nce: RFC 3261 [6]	ISUP ref	erence:
			ITU-T Rec Q.191	2.5 [1], annex B.5
TSS reference:	ISUP-SIP/SS/ SUB	3 /		
SIP selection				
criteria:				
ISUP selection criteria:				
Test purpose:		IT if the IAM is received wit srupting the SIP or ISUP si		calling sub-address,
SIP Parameter	No mapping			
values:				
ISUP Parameter				
values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	+		200 OK BYE

6.3.2.8 Closed user group (CUG)

TP608001	SIP referen	ce: RFC 3261 [6]		ference:
			110-1 Rec Q.1912	.5 [1], annex B.16
TSS reference:	ISUP-SIP/SS/CUG	/		
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the SUT if an IAM is received with Optional forward call indicator, CUG call indicator coded as "CUG call with outgoing access" and CUG interlock code or CUG call indicator coded as "Non CUG call" or Optional forward call indicator is absent, the SIP signalling procedure is not disrupted.			
SIP Parameter	No mapping			
values:				
ISUP Parameter				
values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

TP608002	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], annex B.16
TSS reference:	ISUP-SIP/SS/CUG/	
SIP selection		
criteria:		
ISUP selection		
criteria:		
Test purpose:	Ensure that the SUT if an IAM is received wit indicator coded as "CUG call without outgo is sent. No INVITE is sent into the SIP netwo	ing access" and CUG interlock code, a REL
SIP Parameter	No action	
values:		
ISUP Parameter	REL: Cause #29	
values:		
Comments:	ISUP/BICC SUT	SIP
	IAM →	
	REL ←	
	RLC →	

6.3.2.9 Call diversion (CDIV)

TP609001	SIP referen	ce: RFC 3261 [6]	ISUP refe	rence:	
			ITU-T Rec Q.1912.5 and E		
TSS reference:	ISUP-SIP/SS/ CDI\	//			
SIP selection					
criteria:					
ISUP selection					
criteria:					
Test purpose:		T if the IAM is received wit	•	•	
	number and redirection information, continue without disrupting the SIP or ISUP				
	signalling procedure	е.			
SIP Parameter	No mapping				
values:					
ISUP Parameter	IAM: Redirecting number, Original called number, Redirection information				
values:					
Comments:	ISUP/BICC	SUT		SIP	
	IAM	→	→	INVITE	
	ACM	←	←	180 Ringing	
	ANM	←	←	200 OK INVITE	
		Conversation	Conversation		
	REL	→	→	BYE	
	RLC	+		200 OK BYE	

6.3.2.10 User to user signalling (UUS)

TP610001	SIP refer	rence: RFC 3261 [6]	ISUP ref	erence:
			ITU-T Rec Q.1912	.5 [1], annex B.21
TSS reference:	ISUP-SIP/SS/ U	US /		
SIP selection				
criteria:				
ISUP selection				
criteria:				
Test purpose:	Ensure that the	SUT if the IAM is received with	h User-to-user informa	ation as an implicit
		st returns a User-to-user indic		
	network" and cor	ntinue without disrupting the S	SIP or ISUP signalling p	rocedure.
SIP Parameter	No mapping			
values:				
ISUP Parameter	ACM: User-t	to-indicator "UUI discarded by	the network", Service	1 response "No
values:	indica	tion"		
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

TP610002	SIP r	eference: RFC 3261 [6]	ISUP ref ITU-T Rec Q.1912	
TSS reference:	ISUP-SIP/SS	S/ UUS /	110 11100 411012	
SIP selection criteria:				
ISUP selection criteria:	PICS 11/1 A	ND PICS 11/2		
Test purpose:	Ensure that the SUT if the IAM is received with an explicit service 1 request "Not essential" returns a User-to-user indicator in the ACM "Service 1 not provided" and continue without disrupting the SIP or ISUP signalling procedure.			
SIP Parameter values:	No mapping			
ISUP Parameter values:	ACM: User-to-indicator "UUI discarded by the network", Service 1 response "No indication"			
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	(180 Ringing
	ANM	←	(200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

TP610003	SIP reference: RFC 3261 [6]	ISUP reference:		
		ITU-T Rec Q.1912.5 [1], annex B.21		
TSS reference:	ISUP-SIP/SS/ UUS /			
SIP selection criteria:				
ISUP selection criteria:	PICS 11/1 AND PICS 11/2			
Test purpose:	Ensure that the SUT if the IAM is received with an explicit service 1 request "essential" returns a REL with cause #29 or #69 and an diagnostics containing the user-to-user indicator parameter name.			
SIP Parameter values:	No action			
ISUP Parameter values:	REL: cause #29 or cause 69, diagnostics value 0x2a			
Comments:	ISUP/BICC SUT IAM → REL ← RLC →	SIP		

TP610004	SIP reference: RFC	3261 [6]	ISUP ref	erence:
			ITU-T Rec Q.1912	2.5 [1], annex B.21
TSS reference:	ISUP-SIP/SS/ UUS /			
SIP selection				
criteria:				
ISUP selection	PICS 11/1 AND PICS 11/2			
criteria:				
Test purpose:	Ensure that the SUT if the I	AM is received with	h an explicit service 2	request "Not
	essential" returns a User-to-user indicator in the ACM "Service 1 not provided" and			
	continue without disrupting	continue without disrupting the SIP or ISUP signalling procedure.		
SIP Parameter	No mapping			
values:				
ISUP Parameter	ACM: User-to-indicator Service 2 response "Not provided"			
values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM →		→	INVITE
	ACM ←		←	180 Ringing
	ANM ←		←	200 OK INVITE
	Co	nversation	Conversation	
	REL →		→	BYE
	RLC ←			200 OK BYE

TP610005	SIP reference: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], annex B.21		
		110-1 Nec Q. 1312.5 [1], annex B.21		
TSS reference:	ISUP-SIP/SS/ UUS /			
SIP selection				
criteria:				
ISUP selection	PICS 11/1 AND PICS 11/2			
criteria:				
Test purpose:	Ensure that the SUT if the IAM is received with an explicit service 2 request "essential"			
		returns a REL with cause #29 or #69 and an diagnostics containing the user-to-user		
	indicator parameter name.	g · · · · · · · · · · · · · · · · · · ·		
SIP Parameter	No action			
values:				
ISUP Parameter	REL: cause #29 or cause 69, diagnostics	s value 0x2a		
values:				
Comments:	ISUP/BICC SUT	SIP		
	IAM →			
	REL ←			
	RLC →			

TP610006	SIF	P reference: RFC 3261 [6]		ference: 2.5 [1], annex B.21
TSS reference:	ISUP-SIP/	SS/ UUS /	110-1 Nec Q.191	2.5 [1], aimex B.21
SIP selection criteria:				
ISUP selection criteria:	PICS 11/1	AND PICS 11/2		
Test purpose:	essential"	at the SUT if the IAM is received wi returns a User-to-user indicator in vithout disrupting the SIP or ISUP s	he ACM "Service 1 not	-
SIP Parameter values:	No mappir	ng		
ISUP Parameter values:	ACM:	User-to-indicator "UUI discarded b provided"	y the network", Service	3 response "Not
Comments:	ISUP/BICO	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	(180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

TP610007	SIP reference: RFC 3261 [6]	ISUP reference:
		ITU-T Rec Q.1912.5 [1], annex B.21
TSS reference:	ISUP-SIP/SS/ UUS /	
SIP selection		
criteria:		
ISUP selection	PICS 11/1 AND PICS 11/2	
criteria:		
Test purpose:	Ensure that the SUT if the IAM is received wit	h an explicit service 3 request "essential"
	returns a REL with cause #29 or #69 and an o	diagnostics containing the user-to-user
	indicator parameter name.	
SIP Parameter	No action	
values:		
ISUP Parameter	REL: cause #29 or cause 69, diagnostics	s value 0x2a
values:		
Comments:	ISUP/BICC SUT	SIP
	IAM →	
	REL ←	
	RLC →	

TP610008	SIP reference	e: RFC 3261 [6]	ISUP reference: ITU-T Rec Q.1912.5 [1], annex B.21		
TSS reference:	ISUP-SIP/SS/ UUS /	1			
SIP selection criteria:					
ISUP selection criteria:	PICS 11/1 AND PIC	S 11/2			
Test purpose:		Ensure that the SUT if the FAR is received with an explicit service 3 request "Not essential" returns a FRJ with cause #29 or #69.			
SIP Parameter values:	No action				
ISUP Parameter values:	FRJ: User-to-u	ser indicator = "Service 3	not provided"		
Comments:	ISUP/BICC	SUT		SIP	
	IAM	→	→	INVITE	
	ACM	←	←	180 Ringing	
	ANM	←	←	200 OK INVITE	
		Conversation	Conversation		
	FAR	→			
	FRJ	←			
		Conversation	Conversation		
	REL	→	→	BYE	
	RLC	+		200 OK BYE	

TP610009	SIP referen	ce: RFC 3261 [6]		ference: 2.5 [1], annex B.21
TSS reference:	ISUP-SIP/SS/ UUS	/		
SIP selection criteria:				
ISUP selection criteria:	NOT PICS 11/2			
Test purpose:		Γ if the IAM is received witl without disrupting the SIP		-
SIP Parameter values:	No mapping			
ISUP Parameter values:				
Comments:	ISUP/BICC IAM ACM ANM REL RLC	SUT + Conversation	→ ← ← Conversation	SIP INVITE 180 Ringing 200 OK INVITE BYE 200 OK BYE

TP610010	SIP reference	ce: RFC 3261 [6]	ISUP refe ITU-T Rec Q.1912.	
TSS reference:	ISUP-SIP/SS/ UUS	/		
SIP selection criteria:				
ISUP selection criteria:	NOT PICS 11/2			
Test purpose:		if the IAM is received wit rupting the SIP or ISUP s		
SIP Parameter values:	No action			
ISUP Parameter values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	+		200 OK BYE

TP610011	SIP referenc	e: RFC 3261 [6]	ISUP ref	
TSS reference:	ISUP-SIP/SS/ UUS /			- L 1/
SIP selection criteria:				
ISUP selection criteria:	NOT PICS 11/2			
Test purpose:		if the IAM is received wit rithout disrupting the SIP		=
SIP Parameter values:	No mapping			
ISUP Parameter values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

TP610012	SIP referen	ce: RFC 3261 [6]	ISUP refe	
			ITU-T Rec Q.1912	.5 [1], annex B.21
TSS reference:	ISUP-SIP/SS/ UUS	/		
SIP selection				
criteria:				
ISUP selection	NOT PICS 11/2			
criteria:				
Test purpose:	Ensure that the SU	Γ if the IAM is received with	h an explicit service 2 r	equest "essential"
	continue without dis	rupting the SIP or ISUP si	gnalling procedure. No	response to this
	request.			
SIP Parameter	No action			
values:				
ISUP Parameter				
values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	(200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	+		200 OK BYE

TP610013	SIP reference	e: RFC 3261 [6]	ISUP refe ITU-T Rec Q.1912	
TSS reference:	ISUP-SIP/SS/ UUS /			• •
SIP selection criteria:				
ISUP selection criteria:	NOT PICS 11/2			
Test purpose:		if the IAM is received wit rithout disrupting the SIP	=	=
SIP Parameter values:	No mapping			
ISUP Parameter values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	(180 Ringing
	ANM	←	(200 OK INVITE
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

TP610014	SIP referen	ce: RFC 3261 [6]	ISUP re ITU-T Rec Q.1912	ference: 2.5 [1], annex B.21
TSS reference:	ISUP-SIP/SS/ UUS	/		
SIP selection criteria:				
ISUP selection criteria:	NOT PICS 11/2			
Test purpose:			with an explicit service 3 signalling procedure. No	
SIP Parameter values:	No action			
ISUP Parameter values:				
Comments:	ISUP/BICC IAM ACM ANM REL RLC	SUT Conversation	→ ← ← Conversation →	SIP INVITE 180 Ringing 200 OK INVITE BYE 200 OK BYE

TP610015	SIP reference	e: RFC 3261 [6]	ISUP refe ITU-T Rec Q.1912	
TSS reference:	ISUP-SIP/SS/ UUS /			
SIP selection				
criteria:				
ISUP selection criteria:	NOT PICS 11/2			
Test purpose:		if the FAR is received wit ithout disrupting the SIP	-	•
SIP Parameter	No action			
values:				
ISUP Parameter values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	FAR	→		
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

6.3.2.11 Explicit call transfer (ECT)

TP611001	SIP reference	e: RFC 3261 [6]	ISUP ref	erence:
			ITU-T Rec Q.191	2.5 [1], annex B.8
TSS reference:	ISUP-SIP/SS/ECT/			
SIP selection				
criteria:				
ISUP selection	PICS 12/1			
criteria:				
Test purpose:		if a LOP(request) is rece		
		t information" continue w	ithout disrupting the SII	o signalling
	procedure.			
		if a FAC is received cont	inue without disrupting	the SIP signalling
OID Davis visit and	procedure.			
SIP Parameter	No mapping			
values:	100			
ISUP Parameter	LOP: Response	"insufficient information"		
values:	IOLID/DIOO	OUT		OID
Comments:	ISUP/BICC IAM	SUT	•	SIP
	ACM	7 ←	→ ←	INVITE
	ANM	-	-	180 Ringing 200 OK INVITE
	AINIVI	Conversation	Conversation	200 OK INVITE
	LOP		Conversation	
	LOP	É		
	FAC	÷		
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	(200 OK BYE

TP611002	SIP reference	e: RFC 3261 [6]	ISUP refe	erence:
			ITU-T Rec Q.1912	2.5 [1], annex B.8
TSS reference:	ISUP-SIP/SS/ECT/			
SIP selection				
criteria:				
ISUP selection	NO PICS 12/1			
criteria:				
Test purpose:		if a LOP(request) is rece	ived continue without dis	srupting the SIP
	signalling procedure.			
		if a FAC is received cont	inue without disrupting t	he SIP signalling
	procedure.			
SIP Parameter	No mapping			
values:				
ISUP Parameter				
values:				
Comments:	ISUP/BICC	SUT		SIP
	IAM	→	→	INVITE
	ACM	←	←	180 Ringing
	ANM	←	←	200 OK INVITE
		Conversation	Conversation	
	LOP	→		
	FAC	→		
		Conversation	Conversation	
	REL	→	→	BYE
	RLC	←		200 OK BYE

Annex A (informative): Bibliography

- ETSI ES 283 027: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking SIP-ISUP for TISPAN-IMS".
- ITU-T Recommendation Q.731.7 (1997): "Stage 3 description for number identification supplementary services using Signalling System No. 7: Malicious call identification (MCID)".
- ITU-T Recommendation Q.732.2 (1999): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call diversion services: "Call Forwarding Busy (CFB)".
- ITU-T Recommendation Q.732.3 (1999): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call Forwarding No Reply (CFNR)".
- ITU-T Recommendation Q.732.4 (1999): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call Forwarding Unconditional (CFU)".
- ITU-T Recommendation Q.732.5 (1999): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call Deflection (CD)".
- ITU-T Recommendation Q.732.7 (1996): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Explicit Call Transfer".
- ITU-T Recommendation Q.733.1 (1992): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Call waiting (CW)".
- ITU-T Recommendation Q.733.2 (1993): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Call hold (HOLD)".
- ITU-T Recommendation Q.733.3 (1997): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls to busy subscriber (CCBS)".
- ITU-T Recommendation Q.733.4 (1993): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Terminal portability (TP)".
- ITU-T Recommendation Q.733.5 (1999): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls on no reply".
- ITU-T Recommendation Q.734.1 (1993): "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Conference calling".
- ITU-T Recommendation Q.734.2 (1996): "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Three-party service".
- ITU-T Recommendation Q.735.1 (1993): "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Closed user group (CUG)".
- ITU-T Recommendation Q.735.3 (1993): "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Multi-level precedence and preemption".
- ITU-T Recommendation Q.735.6 (1996): "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Global Virtual Network Service (GVNS)".
- ITU-T Recommendation Q.736.1 (1995): "Stage 3 description for charging supplementary services using Signalling System No. 7: International Telecommunication Charge Card (ITCC)".
- ITU-T Recommendation Q.736.3 (1995): "Stage 3 description for charging supplementary services using Signalling System No. 7: Reverse charging (REV)".

- ITU-T Recommendation Q.737.1 (1997): "Stage 3 description for additional information transfer supplementary services using Signalling System No. 7: User-to-user signalling (UUS)".
- IETF RFC 2046 (1996): "Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types".
- IETF RFC 2327 (1998): "SDP: Session Description Protocol".
- IETF RFC 2806 (2000): "URLs for Telephone Calls".
- IETF RFC 3204 (2001): "MIME media types for ISUP and QSIG Objects".
- IETF RFC 3262 (2002): "Reliability of Provisional Responses in the Session Initiation Protocol (SIP)".
- IETF RFC 3264 (2002): "An Offer/Answer Model with the Session Description Protocol (SDP)".
- IETF RFC 3311 (2002): "The Session Initiation Protocol UPDATE Method".
- IETF RFC 3323 (2002): "A Privacy Mechanism for the Session Initiation Protocol (SIP)".
- IETF RFC 3326 (2002): "The Reason Header Field for the Session Initiation Protocol".
- ISO/IEC 9646-2 (1994): "Conformance testing methodology and framework Part 2: Abstract Test Suite Specification".
- ISO/IEC 9646-3/DAM 1: (1992): "Conformance testing methodology and framework Part 3: The Tree and Tabular Combined Notation; Amendment 1: TTCN extensions".
- ISO/IEC 9646-5 (1994): "Conformance testing methodology and framework Part 5: Requirements on test laboratories and clients for the conformance assessment process".

History

Document history		
V1.1.1	February 2006	Publication