# ETSI TS 186 001-5 V2.3.0 (2015-11)



Core Network and Interoperability Testing (INT);
Network Integration Testing between SIP and ISDN/PSTN
network signalling protocols;
Part 5: Test Suite Structure and Test Purposes (TSS&TP)

for Network Integration Tests between ISDN-ISDN and ISDN-ISDN and ISDN-PSTN over SIP II NNI / SIP-I NNI

Reference
DTS/INT-00129-5

Keywords
IMS, ISDN, NIT, SIP

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#### **Foreword**

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

The present document is part 5 of a multi-part deliverable covering Network Integration Testing between SIP and ISDN/PSTN network signalling protocols:

- Part 1: "Test Suite Structure and Test Purposes (TSS&TP) for SIP-ISDN";
- Part 2: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) for SIP-SIP";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Tests between ISDN-ISDN and ISDN-PSTN over SIP II NNI / SIP-I NNI".

## Modal verbs terminology

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

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# 1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of ISDN and non-ISDN (PSTN) over the national or international SIP-I and SIP II NNI networks. The TSS&TP specification covers the procedures described in Recommendation ITU-T Q.1912.5 [35] or ETSI EN 383 001 [36], ETSI TS 129 163 [40] and Recommendation ITU-T Q.699 [24] or ETSI EN 300 899-1 [37]. For SIP and SDP specific terminology, the reference is ETSI TS 124 229 [39].

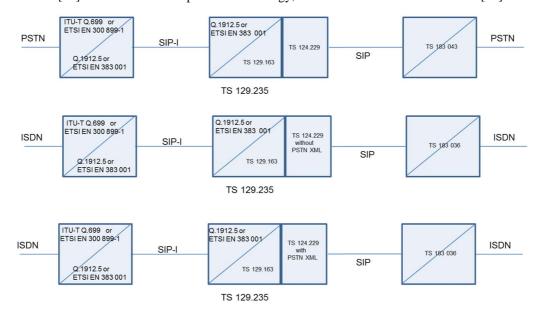


Figure 1: ISDN-ISDN and PSTN- PSTN inter-working testing architecture with SIP-I and ETSI TS 129 235 based Interworking

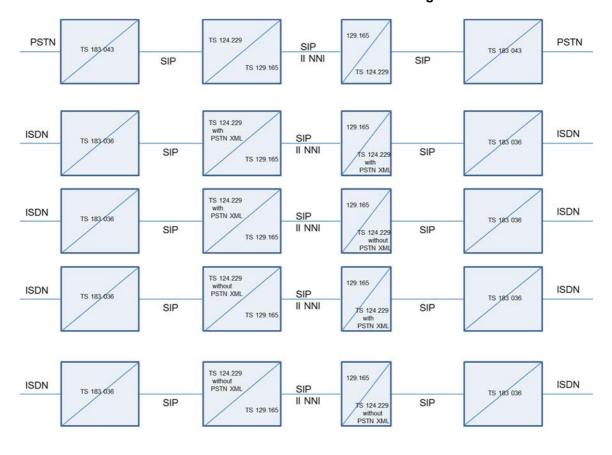


Figure 2: ISDN-ISDN and PSTN-PSTN inter-working testing architecture with SIP II NNI

#### 2 References

#### 2.1 Normative references

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

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he following referenced documents are necessary for the application of the present document.				
[1]	ETSI EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".			
[2]	ETSI EN 300 267-1: "Integrated Services Digital Network (ISDN); Telephony 7 kHz, videotelephony, audiographic conference and videoconference teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[3]	ETSI EN 300 092-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[4]	ETSI EN 300 093-1: "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[5]	ETSI EN 300 097-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[6]	ETSI EN 300 098-1: "Integrated Services Digital Network (ISDN); Connected Line Identification Restriction (COLR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[7]	ETSI EN 300 138-1: "Integrated Services Digital Network (ISDN); Closed User Group (CUG) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[8]	ETSI EN 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".			
[9]	ETSI EN 300 055-1: "Integrated Services Digital Network (ISDN); Terminal Portability (TP)			

supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol;

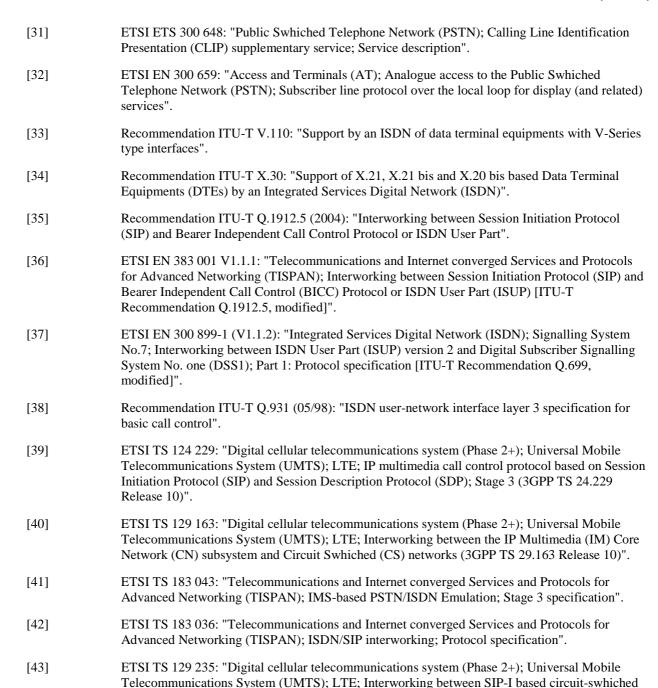
Part 1: Protocol specification".

ETSI EN 300 286-1: "Integrated Services Digital Network (ISDN); User-to-User Signalling [10] (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

ETSI EN 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on [11] (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

ETSI EN 300 207-1: "Integrated Services Digital Network (ISDN); Diversion supplementary [12] services; Digital Subscriber Signalling System No. One (DSS1); Part 1: Protocol specification".

- [13] ETSI EN 300 210-1: "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [14] ETSI EN 300 130-1: "Integrated Services Digital Network (ISDN); Malicious Call Identification (MCID) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [15] ETSI EN 300 188-1: "Integrated Services Digital Network (ISDN); Three-Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [16] ETSI EN 300 141-1: "Integrated Services Digital Network (ISDN); Call Hold (HOLD) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [17] ETSI EN 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [18] ETSI EN 300 356-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 3 for the international interface; Part 1: Basic services [ITU-T Recommendations Q.761 to Q.764 (1997), modified]".
- [19] ETSI EN 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [20] ETSI EN 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [21] ETSI ETS 300 289: "Business TeleCommunications (BTC); 64 kbit/s digital unrestricted leased line with octet integrity (D64U); Connection characteristics".
- [22] ETSI ETS 300 097-1/A1: "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [23] Recommendation ITU-T Q.737.1: "Stage 3 description for additional information transfer supplementary services using Signalling System No. 7:User-to-user signalling (UUS)".
- [24] Recommendation ITU-T Q.699: "Interworking between ISDN access and non-ISDN access over ISDN User Part of Signalling System No. 7".
- [25] Recommendation ITU-T Q.734.2: "Stage 3 description for multiparty supplementary services using Signalling System No. 7: Three-party service".
- [26] ETSI EN 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [27] ETSI EN 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [28] ETSI EN 300 357: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Service description".
- [29] ETSI EN 301 065-1: "Integrated Services Digital Network (ISDN); Completion of Calls on No Reply (CCNR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [30] ETSI EN 300 001: "Attachments to the Public Swhiched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".



#### 2.2 Informative references

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

core network and other networks (3GPP TS 29.235 version 10.3.0 Release 10)".

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

[i.1] ETSI ETS 300 103: "Integrated Services Digital Network (ISDN); Support of CCITT Recommendation X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an ISDN Synchronous and asynchronous terminal adaptation functions".

[i.2]	Recommendation ITU-T G.821: "Error performance of an international digital connection operating at a bit rate below the primary rate and forming part of an Integrated Services Digital Network".
[i.3]	Recommendation ITU-T G.822 (1988): "Controlled slip rate objectives of an international digital connection".
[i.4]	Recommendation ITU-T 0.152 (1992): "Error performance measuring equipment for bit rates of 64 kbit/s and N $x$ 64 kbit/s".
[i.5]	Recommendation ITU-T I.112 (1993): "Vocabulary and terms for ISDNs".
[i.6]	Recommendation ITU-T I.210 (1993): "Principles of the telecommunication services supported by an ISDN and the means to describe them".
[i.7]	Recommendation ITU-T E.164 (2010): "The international public telecommunication numbering plan".
[i.8]	ISO/IEC 9646-1: "Information Technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General Concepts".
[i.9]	Recommendation ITU-T H.221: "Frame structure for a 64 to 1920 kbit/s channel in audiovisual teleservices".
[i.10]	Recommendation ITU-T G.711: "Pulse code modulation (PCM) of voice frequencies".
[i.11]	Recommendation ITU-T F.721: "Videotelephony teleservice for ISDN".
[i.12]	Recommendation ITU-T F.182bis: "Guidelines for the support of the communication of documents using Group 3 facsimile between user terminals via public networks".
[i.13]	ISO/IEC 7776: "Information technology Telecommunications and information exchange between systems High-level data link control procedures Description of the X.25 LAPB-compatible DTE data link procedures".
[i.14]	ISO/IEC 8208: "Information technology Data communications X.25 Packet Layer Protocol for Data Terminal Equipment".
[i.15]	ETSI EG 201 018: "Integrated Services Digital Network (ISDN); Application of the Bearer Capability (BC), High Layer Compatibility (HLC) and Low Layer Compatibility (LLC) information elements by terminals supporting ISDN services".
[i.16]	Recommendation ITU-T H.242: "System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s".

# 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

Definitions related to conformance testing

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [i.8].

Implementation Conformance Statement (ICS) proforma: Refer to ISO/IEC 9646-1 [i.8].

Implementation eXtra Information for Testing (IXIT) proforma: Refer to ISO/IEC 9646-1 [i.8].

implementation under test: Refer to ISO/IEC 9646-1 [i.8].

**ISDN number:** number conforming to the numbering and structure specified in Recommendation ITU-T E.164 [i.7]

lower lester: Refer to ISO/IEC 9646-1 [i.8].

Point of Control and Observation: Refer to ISO/IEC 9646-1 [i.8].

**Protocol Implementation Conformance Statement:** Refer to ISO/IEC 9646-1 [i.8].

Protocol Implementation eXtra Information for Testing: Refer to ISO/IEC 9646-1 [i.8].

system under test: Refer to ISO/IEC 9646-1 [i.8].

**Test Purpose:** Refer to ISO/IEC 9646-1 [i.8].

Definitions related to ETSI EN 300 403-1 [1]

Integrated Services Digital Network (ISDN): See Recommendation ITU-T I.112 [i.5], clause 2.2, definition 308.

**supplementary service:** See Recommendation ITU-T I.210 [i.6], clause 2.4.

telecommunications service: See Recommendation ITU-T I.112 [i.5], clause 2.2, definition 201.

**user:** DSS1 protocol entity at the User side of the user-network interface where a T reference point or coincident S and T reference point applies

**user** (S/T): DSS1 protocol entity at the User side of the user-network interface where a coincident S and T reference point applies

**user** (**T**): DSS1 protocol entity at the User side of the user-network interface where a T reference point applies (User is the Private ISDN)

Definitions related to test purpose descriptions

**BC** = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]: Bearer capability information element with its information transfer capability set to "unrestricted digital information" and its user information layer 1 field set to "ITU-T standardized rate adaption Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]", including sync/async and user rate values

**BC** = **3,1 kHz audio:** bearer capability information element with its information transfer capability field set to "3,1 kHz Audio" and its user information layer one protocol field set to "G.711 [i.9] A-law"

**BC** = **speech:** bearer capability information element with its information transfer capability field set to "speech" and its user information layer one protocol field set to "G.711 [i.9] A-law"

**BC** = **UDI**: bearer capability information element with its information transfer capability set to "unrestricted digital information"

**BC** = **UDI/TA**: bearer capability information element with its information transfer capability set to "unrestricted digital information with tones/announcements" and its user information layer one protocol field set to "Recommendations H.221 [i.10] and H.242 [i.16]"

CF active: call forwarding (U, B or NR) supplementary service is already activated with the address of user C

**CUG default request:** calling user does not include in the outgoing SETUP message an explicit request for the CUG supplementary service

**eroded second:** second with one or more bit errors

**eroded seconds ratio:** ratio of eroded seconds over all seconds within a specified measuring period, where neither are counted during unavailability periods

**HLC** = **facsimile group 2/3:** High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 2/3 (Recommendation ITU-T F.182 [i.12])"

**HLC** = **facsimile group 4:** High Layer Compatibility information element with its high layer characteristics identification field set to "facsimile group 4 class 1"

**HLC** = **telephony:** High Layer compatibility information element with its high layer characteristics identification field set to "telephony"

**HLC** = **telex**: High Layer Compatibility information element with its high layer characteristics identification field set to "telex"

**HLC = videotelephony\_ic:** High Layer Compatibility information element with its high layer characteristics identification field set to "videotelephony (Recommendation ITU-T F.721 [i.11])" and its extended audiovisual characteristics field set to "capability set of initial channel of Recommendation ITU-T H.221 [i.10]"

**LLC** = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]: Low Layer compatibility information element with its user information layer 1 field indicating "ITU-T standardized rate adaption Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]" and including sync/async and user rate values

**LLC** = **telematic\_term:** Low Layer Compatibility information element with its user information layer 2 field indicating "ISO/IEC 7776 DTE-DTE [i.13] operation" and user information layer 3 field indicating "ISO/IEC 8208 [i.14]"

**LLC** = **voice band data via modem:** Low Layer Compatibility information element with its user information layer 1 field indicating a "modem type" coding

**NPI = unknown:** numbering plan identification forwarded to the served user coded as "unknown"

octet slip: slip of one complete octet

PI = PR: Presentation Indicator forwarded to the served user coded as "Presentation restricted"

**PRBS** =  $2^{11}$ -1: pseudo random binary sequence according to O.152 [i.4] transmitted for two consecutive periods of 24 hours. If an unavailability period of more than one hour occurred during the measuring period, it has to be extended accordingly

**severely eroded second:** second where at least 0,1 % of the bits are eroded (corresponds to a one-second interval with a bit-error ratio worse than  $1 \times 10^{-3}$ )

**severely eroded seconds:** ratio of severely eroded seconds over all seconds within a specified measuring period, where neither are counted during unavailability periods

SI = UPVP: Screening Indicator forwarded to the served user coded as "User-provided, verified and passed"

**SI = NP:** Screening Indicator forwarded to the served user coded as "Network provided"

slip: one or more extra or missing consecutive unit intervals in the bit stream

**telephony 7 kHz fallback not allowed SETUP message:** SETUP message containing a single BC = UDI/TA and a HLC = telephony

**TON** = **international**: type of number forwarded to the served user coded as "international"

**TON** = **unknown**: type of number forwarded to the served user coded as "unknown"

UI length = 32: length of the User information field of the User-user information element is 32 octets

**unavailability period:** period of time beginning at the first of 10 consecutive severely eroded seconds and ending immediately before the first following period of 10 consecutive seconds none of which are severely eroded

 $\begin{tabular}{ll} \textbf{videotelephony fallback not allowed SETUP message:} SETUP message containing a single BC = UDI/TA and a single HLC = videotelephony_ic \end{tabular}$ 

#### 3.2 Abbreviations

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

3PTY Three-party conference ATS Abstract Test Suite BC Bearer Capability

CCBS Completion of Calls to Busy Subscriber
CCNR Completion of Calls on No Reply

CD Call Deflection

CF Call Forwarding CFB Call Forwarding Busy

CFNR Call Forwarding No Response CFU Call Forwarding Unconditional

CLIP Calling Line Identification Presentation
CLIR Calling Line Identification Restriction

CN Comfort Noise

COLP Connected Line Identification Presentation
COLR Connected Line Identification Restriction

CONF
CONFerence (add-on)
CONN
Connect Message
CR
Call Reference
CUG
Closed User Group
CW
Call Waiting

DCR Duty Cycle Restrictions
DDI Direct Dialling In

DLE Destination Local Exchange
ECT Explicit Call Transfer
ESR Eroded Seconds Ratio
FPH FreePhone Service

FTAM File Transfer Access & Management
GSM Global System for Mobile Communications

HLC High Layer Compatibility
IA Incoming Allowed
ICB Incoming Call Baring
IE Information Element

ISDN Integrated Services Digital Network

LLC Low Layer Compatibility
LPC Linear Predictive Coding
MCID Malicious Call IDentification
NIT Network Integration Testing
NNI Network to Network Interface

Network Provided NP Numbering Plan Indicator NPI Outgoing Allowed OA **OCB** Outgoing Called Baring **OLE** Originating Local Exchange **ONP Open Network Provision** OSI **Open Systems Interconnection** Pulse-Code-Modulation- A law **PCMA** Pulse-Code-Modulation- U law **PCMU** 

PI Presentation Indicator

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

PLMN Public Land Mobile Network PR Presentation Restricted

PRBS PseudoRandom Binary Sequence

PROC Proceeding Message

PSTN Public Swhiched Telephone Network

PT Posture Transport

PTNX Private Telecommunication Network eXchange QCELP Qualcomm Code-Excited Linear Prediction

SDP Session Description Protocol SESR Severely Eroded Seconds Ratio

SI Screening Indicator SIP Session Initiation Protocol

SIP-I Session Initiation Protocol - ISUP (SIP with encapsulated ISUP)

SUB SUBaddressing
SUT System Under Test
TA Tones and Announcements

TC Test Case

TON Type Of Number

TP **Terminal Portability** TSS Test Suite Structure TSS&TP Test Suite Structure and Test Purposes Unrestricted Digital Information UDI Unrestricted Digital Information with Tone and Announcements UDI/TA Unrestricted Digital Information with Tones/Announcements **UDI-TA UDUB** User Determined Busy **User Information UPVP** User Provided Verified Passed UUS User-to-User Signalling UUS1 UUS service 1 UUS2 UUS service 2 UUS3 UUS service 3 VAriable VA XMLExtensible Markup Language

### 4 Void

# 5 Test Suite Structure (TSS)

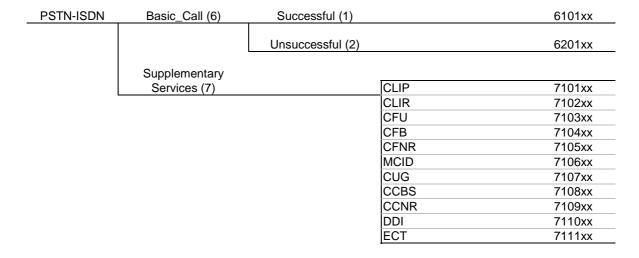
### 5.1 ISDN-ISDN

001110011	5 . 6 !! (4)	0 (1(1)		1101
SDN-ISDN	Basic_Call (1)	Successful (1)	Speech	1101xx
			UDI	1102xx
			Audio	1103xx
			UDI-TA	1104xx
		Unsuccessful (2)	Speech	1201xx
			UDI	1202xx
			Audio	1203xx
			UDI-TA	1204xx
	Supplementary			
	Services (2)		CLIP	2101xx
	` '		CLIR	2102xx
			COLP	2103xx
			COLR	2104xx
			CUG	2105xx
			SUB	2106xx
			TP	2107xx
			UUS	2108xx
			CONF	2109xx
			CFU	2111xx
			CFB	2112xx
			CFNR	2113xx
			CD	2114xx
			FPH	2115xx
			MCID	2116xx
			3PTY	2117xx
			HOLD	2118xx
			CW	2119xx
			ECT	2120xx
			CCBS	2121xx
			CCNR	2122xx
			Comb	2123xx
			DDI	2124xx
	B-channel (3)	(0)	Speech	3001xx
	D-0110111101 (J)	(0)	UDI	3002xx
			Audio	3002xx
			UDI-TA	3004xx
			ODI-TA	3004XX

### 5.2 ISDN-PSTN

ISDN-PSTN	Basic_Call (4)	Successful (1)	Speech	4101xx
			Audio	4102xx
			UDI -TA	4103xx
		Unsuccessful (2)	Speech	4201xx
			UDI	4202xx
			Audio	4203xx
			UDI -TA	4204xx
	Supplementary			
	Services (5)		CLIP	5101xx
			CLIR	5102xx
			COLP	5103xx
			COLR	5104xx
			CUG	5105xx
			CFU	5106xx
			CFB	5107xx
			CFNR	5108xx
			UUS1	5109xx
			CCBS	5110xx
			CCNR	5111xx
			ECT	5112xx

### 5.3 PSTN-ISDN



# 6 Test Purposes

### 6.1 Introduction

### 6.1.1 Test purpose naming convention

For each test requirement a Test Purpose is defined.

The Test Purposes are identified by a six figure numbering scheme were the first figure identifies the Test Group, followed by a three figure number for subgroup and a two figures serial number, starting at 01, within each group/subgroup. Groups are organized according to the TSS. See table 1.

Table 1: Test Purpose Identifier naming convention scheme

Identifier: TC <Test group > <Sub group> <nn> 1 digit field representing group reference according to TSS <Test group>: 1 = ISDN-ISDN/Basic call 2 = ISDN-ISDN/Supplementary\_services 3 = ISDN-ISDN/B-channel 4 = ISDN-PSTN/Basic\_call 5 = ISDN-PSTN/Supplementary\_services 6 = PSTN-ISDN/Basic\_call 7 = PSTN-ISDN/Supplementary\_services <Subgroup>: 3 digit field representing sub group reference according to TSS <nn> = sequential number (01-99)

#### 6.1.2 Source of test purpose definition

The Test Purposes are based on ETSI EN 300 403-1 [1] and the applicable standards for supplementary services.

#### 6.1.3 Test purpose structure

The Test Purposes are formatted as tables using the format shown in table 2. The text in bold shows the text which is always present. The normal text provides explanation for each field.

**Table 2: Format of a single Test Purpose** 

Identifier	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.:	
TSS reference:	Test Suite Structure reference		
Selection criteria:	The criteria necessary in order to select the test		
Test purpose:	Description of the test purpose		
Parameter values:	Values of parameters used for the test execution. For explanation of abbreviations see clause 3.3		
Comments:			

#### 6.1.4 Test strategy

As the base standards contained no explicit requirements for testing, the Test Purposes were generated as a result of an analysis of the base standards and PICS. The criteria applied included the following:

- only the requirements from the point of view of the T or coincident S and T reference point are considered;
- whether or not a test case can be built from the Test Purpose is not considered.

#### 6.1.5 End-to-end performance objectives

Recommendation ITU-T G.821 [i.2] defines performance objectives to be meet for each direction of a N  $\times$  64 kbit/s (1  $\leq$  N < 32) circuit-switched connection used for voice or data-type traffic. The Recommendation ITU-T G.821 [i.2] error performance objectives for international ISDN connections are presented in table 3. A measuring period of one month is suggested as a reference.

Table 3: Recommendation ITU-T G.821 [i.2] error performance objectives

Performance parameter	Objective
SESR	Fewer than 0,2 % of one-second intervals to have a bit-error ratio worse than 1 x 10-3
ESR	Fewer than 8 % of one-second intervals to have any errors

ETSI ETS 300 289 [21] specifies the technical requirements (and test principles) for the connection characteristics of ONP 64 kbit/s digital unrestricted leased lines with octet integrity. The end-to-end performance objectives are derived from Recommendation ITU-T G.821 [i.2]: the test values have been transformed to fit a measuring period of 24 hours instead of one month, taking also in consideration the circuit configurations relevant for Europe (see ETSI ETS 300 289 [21], annex B).

For the ISDN bearer services "unrestricted digital information" and "unrestricted digital information with tones/announcements", the connection characteristics of the B-channel established between users may be considered equivalent in service to a ONP 64 kbit/s digital unrestricted leased line (D64U), because the ISDN circuit connection provides equivalent access to the full digital bit rate of 64 kbit/s with no restrictions on the binary content, using network timing for both directions of the transmission. For those bearer services, for the performance of the end-to-end B-channel connection, it is proposed to adopt the performance objectives defined in ETSI ETS 300 289 [21] and presented in table 4, using a 24 hours measurement period.

Table 4: B-channel performance objectives

Error parameters	Value	
Octet slip	5 per 24 hours period	
Eroded seconds	5 324 per 24 hours period	
Severely eroded seconds	105 per 24 hours period	

#### Octet slip

Requirement: For at least one of two consecutive periods of 24 hours the number of octet slips shall be less than 5 (slips other than octet slips are considered as errors).

NOTE 1: This requirement is based on Recommendation ITU-T G.822 [i.3], clause 2 and table 1.

#### Eroded seconds

Requirement: For at least one of two consecutive 24 hours measuring periods the number of eroded seconds shall be less than 5 324.

NOTE 2: This 24 hours test limit corresponds to a mean eroded seconds ratio of  $6.4 \times 10^{-2}$ .

#### Severely eroded seconds

Requirement: For at least one of two consecutive 24 hours measuring periods the number of severely eroded seconds shall be less than 105.

NOTE 3: This 24 hours test limit corresponds to a mean severely eroded seconds ratio of  $1.5 \times 10^{-3}$ .

# 6.2 Test Purposes

# 6.2.1 Test purposes for ISDN-ISDN, Basic call

# 6.2.1.1 Successful - Speech

Successful	
Speech	

110101	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110101		
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly		
ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:			
ISDN Parameter values	SETUP: BC = speech, no HLC		
called user:			
Comments:			

110101A	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/		
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly		
ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:	ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be		
	available in-band")		
	CONNECT:PI#1 ("Call is not end-to-end ISDN: further call progress information may be		
	available in-band"))		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio		
called user:			
Comments:			

110101B		Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110101B	
Selection criteria:	PSTN XML and early media are <b>not</b> supported from the <b>calling</b> AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
Comments:		

	1001	la.
110102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Speech/110102
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values	BC = speech, no HLC	
calling user:	·	
ISDN Parameter values	BC = speech, no HLC	
called user:	·	
Comments:		

110102A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110102A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values calling user:	SETUP: BC = speech, no HLC  ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	
ISDN Parameter values	BC = 3,1 kHz audio	
called user:		
Comments:		

110102B	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110102B	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
Comments:		

110103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110103	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears	
	after answer	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:		
ISDN Parameter values	SETUP: BC = speech, no HLC	
called user:		
Comments:		

1		
110103A	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110103A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears	
	after answer	
	ALERT: PI#1("Call is not end-to-en	d ISDN: further call progress information may be
	available in-band")	
	CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	DISC: # 16	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	·	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio	
called user:		
Comments:		

110103B	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110103B	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears	
	after answer	
	ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	DISC: # 16	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	DISC#16	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio	
called user:	DISC#16	
Comments:		

110104	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110104A	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears after answer	
ISDN Parameter values	SETUP:BC = speech, no HLC	
calling user:	DISC#16	
ISDN Parameter values	SETUP:BC = speech	
called user:	DISC#16	
Comments:		

110104A	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110104A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
ISDN Parameter values	SETUP:BC = speech, no HLC	
calling user:		d ISDN: further call progress information may be
	available in-band")	
	CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	DISC#16	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio	
called user:	DISC#16	
Comments:		

110104B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110104B	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears after answer	
ISDN Parameter values	SETUP:BC = speech, no HLC	
calling user:	DISC#16	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio	
called user:	DISC#16	
Comments:		

110105	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Speech/110105
Selection criteria:	Telephony 3,1 kHz teleservice; PS	TN XML and early media are supported from the
	calling and called AGW/VGW	
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user	
Parameter values:	SETUP:BC = speech, HLC = telephony	
Comments:		

110105A	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/S	Speech/110105A
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the	
	called AGW/VGW	
Test purpose:	Support of telephony 3,1 kHz teleservice. The HLC information is not transported	
	transparently through the network	
ISDN Parameter values	SETUP: BC = speech, HLC = telephony	
calling user:	ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio	
called user:		
Comments:		

110105B	ISDN ref. to: Other relevant ref.:			
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1		
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2		
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2		
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2		
		ETSI TS 183 043 [41], clause 5.2.7		
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110105B			
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the			
	calling AGW/VGW			
Test purpose:	Support of telephony 3,1 kHz teleservice. The HLC information is not transported			
	transparently through the network			
ISDN Parameter values	SETUP:BC = speech, HLC = telephony			
calling user:				
	SETUP:BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress			
called user:	information may be available in-bar	nd")		
Comments:				

110106	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1		
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2		
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2		
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2		
		ETSI TS 183 043 [41], clause 5.2.7		
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110106/110106			
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are supported from the			
	calling and called AGW/VGW			
Test purpose:	To verify that progress indicator information included in the ISDN - ALERT message can			
	be transported correctly to the calling user.			
Parameter values:	SETUP: BC = speech HLC = telephony			
	ALERT: PI#2"destination address is non-ISDN".			
	SETUP: BC = speech, HLC = telephony,			
	ALERT: PI#2"destination address is non-ISDN".			
Comments:				

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110106A	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Speech/110106A	
Selection criteria:	Telephony 3,1 kHz teleservice; PS	TN XML and early media are not supported from the	
	called AGW/VGW	·	
Test purpose:	To verify that progress indicator information included in the ISDN - ALERT message		
	cannot be transported correctly to the calling user.		
ISDN Parameter values	SETUP: BC = speech HLC = telephony		
calling user:	ALERT: PI#1("Call is not end-to-en	d ISDN: further call progress information may be	
	available in-band")		
	CONNECT:PI#1("Call is not end-to	-end ISDN: further call progress information may be	
	available in-band")	•	
ISDN Parameter values	SETUP: BC= 3,1 kHz audio,		
called user:	ALERT: PI#2"destination address is	s non-ISDN"	
	CONNECT:		
Comments:			

110106B	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1		
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2		
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2		
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2		
		ETSI TS 183 043 [41], clause 5.2.7		
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110106B			
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the calling AGW/VGW			
Test purpose:	To verify that progress indicator information included in the ISDN - ALERT message cannot be transported correctly to the calling user.			
ISDN Parameter values	SETUP: BC = speech; HLC = telep	SETUP: BC = speech; HLC = telephony		
calling user:	ALERT:			
ISDN Parameter values	SETUP: BC= 3,1 kHz audio, PI#1("Call is not end-to-end ISDN: further call progress			
called user:	information may be available in-band")			
	ALERT; PI#2 "destination address	is non-ISDN"		
Comments:				

110107	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1		
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2		
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2		
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2		
		ETSI TS 183 043 [41], clause 5.2.7		
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110107			
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are supported from the			
	calling and called AGW/VGW			
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message			
	can be transported correctly to the calling user.			
Parameter values:	A:! SETUP: BC = speech, HLC = telephony			
	A:? CONNECT: PI#2"destination a	ddress is non-ISDN"		
	B:? SETUP: BC = speech, HLC = telephony,			
	B:! CONNECT: PI#2"destination address is non-ISDN".			
Comments:				

110107A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Speech/110107A	
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the called AGW/VGW		
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message cannot be transported correctly to the calling user.		
ISDN Parameter values	SETUP: BC = speech, HLC = telephony		
calling user:	CONNECT: PI#1 (Call is not end-to-end ISDN: further call progress information may be available in-band)"		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio,		
called user:	CONNECT: PI#2"destination addre	ess is non-ISDN".	
Comments:			

110107B	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
		ETSI TS 183 043 [41], clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Successful/Speech/110107B		
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN XML and early media are not supported from the		
	calling AGW/VGW		
Test purpose:	To verify that progress indicator information included in the ISDN-CONNECT message		
	cannot be transported correctly to the calling user.		
ISDN Parameter values	SETUP: BC = speech, HLC = telephony		
calling user:	CONNECT:		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, PI#1("Call is not end-to-end ISDN: further call progress		
called user:	information may be available in-band")		
	CONNECT: PI#2"destination address is non-ISDN".		
Comments:			

110108	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1], clauses 5.1	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Sp	
Selection criteria:	ISDN = point-to-point Configuration: v	
		supported from the calling and called AGW/VGW
Test purpose:		Call Proceedingmessage message when the ISDN
		all Proceedingmessage. Ensure that in the active
		the media and B-channels is performed correctly
	(e.g. testing QoS parameters).	
		state U4 the transfer of tone or announcement on
	the media channel is performed corre	
	•	OP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
	table 5 applies.	
ISDN Parameter	BC = speech, no HLC	
values calling user:		
ISDN Parameter	BC = speech, no HLC	
values called user:		
SIP Parameter values:	Dial string parameters options=PIXIT	
	BDVIT (	
	PIXIT for supported header:	
	Case a) no 100 rel	
	Case b) Supported: 100 rel	p.c.
	Case c) Supported: 100 rel and preco	ondition
	a = line (PIXIT - table 5)	
	b = line (PIXIT - table 5)	
	m = line (PIXIT - table 5)	

Comments:					
	ISDN		SUT		ISDN
		a) With	out SDP pre-co	nditio	on
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP
	CALL PROCEEDING PI#8	+	183 Session Progress Including the P-Early- Media Header	+	CALL PROCEEDING PI#8
	ALERT	+	180 Ringing	<b>←</b>	ALERT
	CON	+	200 OK INVITE	+	CON
		→	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pre-		•		
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		→	PRACK		
		+	200 OK PRACK		
		→	UPDATE		
		+	200 OK (UPDATE)		
					OFTUD
	ALEDT	+	100 Dinging	<b>→</b>	SETUP ALERT
	ALERT	<b>→</b>	180 Ringing PRACK		ALEKI
		<del>7</del>	200 OK		
			PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
			-		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

Table 5: PIXIT Values for test purposes

VARIABLE	PT	Encoding	media type	clock rate	channels
VA_01	0	PCMU	Α	8,000	1
VA_02	3	GSM	Α	8,000	1
VA_03	4	G723	Α	8,000	1
VA_04	5	DVI4	Α	8,000	1
VA_05	7	LPC	Α	8,000	1
VA_06	8	PCMA	Α	8,000	1
VA_07	9	G722	Α	8,000	1
VA_08	12	QCELP	Α	8,000	1
VA_09	13	CN	Α	8,000	1
VA_10	18	G729	Α	8,000	1
VA_11	Dyn	G726-40	Α	8,000	1
VA_12	Dyn	G726-32	Α	8,000	1
VA_13	Dyn	G726-24	Α	8,000	1
VA_14	Dyn	G726-16	Α	8,000	1
VA_15	Dyn	G729D	Α	8,000	1
VA_16	Dyn	G729E	Α	8,000	1
VA_17	Dyn	GSM-EFR	Α	8,000	1

110108A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Spee	
Selection criteria:	ISDN = point-to-point Configuration: wit PSTN XML and early media are not sup	
Test purpose:	User in call state U03 is sending a Call call state (N10) the voice transfer on the (e.g. testing QoS parameters). Ensure that in the Call Delivered call state media channel is performed correct	Call Proceedingmessage message when the ISDN Proceedingmessage. Ensure that in the active e media and B-channels is performed correctly ate U4 the transfer of tone or announcement on ly.  Prtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = speech, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio	
SIP Parameter values:	Dial string parameters options=PIXIT  PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precon  a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	dition

Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-condition	1	- <b>-</b>		
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP
				+	CALL PROCEEDING PI#8
	ALERT PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	180 Ringing	+	ALERT
	CONN PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pre	-conditi	on met)		
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
		<del></del>			
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
		<del>                                     </del>	1	<b>→</b>	SETUP
	ALERT PI#8 PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	180 Ringing	+	ALERT
		<b>→</b>	PRACK		
		+	200 OK		
			PRACK		
	CON PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
		<u></u>			
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

ID-1 C.931 [asj, clauses 1.1   ID-1 C.1912.5 [asj. clauses 7.1 and 6.2		CON	+ + + + + + +	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE)  180 Ringing PRACK 200 OK PRACK 200 OK INVITE ACK BYE	+	CON		
and 5.2    ETSI EN 383 001 [36], clauses 7.2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 5.2.7   ETSI TS 183 036 [42], clauses 5.2.7   ETSI TS 183 046 [42], clauses 5.2.7   ETSI TS 183 [43], clauses 5.2.7		CON	÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ ÷ †	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE)  180 Ringing PRACK 200 OK PRACK 200 OK INVITE ACK	+	CON		
and 5.2   ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 (A), clauses 7,2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 7,2.3.1 and 7.2.3.2   ETSI TS 183 038 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 038 [42], clauses 5.2.7   ETSI TS 183 08 [42], clauses 5.2.7   ETSI TS 183 [41], clauses			+ + + + + +	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE)  180 Ringing PRACK 200 OK PRACK 200 OK INVITE	+	ALERT		
and 5.2   ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 (A), clauses 7,2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 7,2.3.1 and 7.2.3.2   ETSI TS 183 038 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 038 [42], clauses 5.2.7   ETSI TS 183 08 [42], clauses 5.2.7   ETSI TS 183 [41], clauses			+ + + + + +	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE)  180 Ringing PRACK 200 OK PRACK 200 OK INVITE	+	ALERT		
and 5.2   ETSI EN 383 001 [36], clauses 7.1 and 6.2   ETSI TSI 181 20 [36], clauses 7.2.3.1 and 7.2.3.2   ETSI TSI 181 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.2.7   ETSI TSI 183 036 [42], clauses 5.2.7   ETSI TSI 183 [42], clauses 5			+ + + + +	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE)  180 Ringing PRACK 200 OK PRACK	+	ALERT		
and 5.2		ALERT PI#8	+ + + +	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE) 180 Ringing PRACK	_			
and 5.2   ETSI EN 383 001 [36], clauses 7.1 and 6.2   ETSI TSI 175 186 [3 (dp)], clauses 7.2.3.1 and 7.2.3.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.2.7   TSS reference:   ISDN-ISDN/Basic call/Successful//Speech/110108B   ISDN = point-to-point Configuration with DDI; PSTN XML and early media are not supported from the calling AGW/VGW   Ensure that the ISDN user receives a Call Proceedingnessage message when the ISI User in call state US3 is sending a Call Proceedingnessage. Ensure that in the active call state U4 the transfer of tone or announcement or the media channel is performed correctly (e.g., testing QoS parameters).   Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.   In case when the parameter in the SDP rtpmap:   ISDN Parameter values:   ISDN Parameter   ISDN Par		ALERT PI#8	÷ + +	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE) 180 Ringing	_			
and 5.2   ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TSI TSI 19 (16] (40], clauses 7.2.3.1 and 7.2.3.2   ETSI TSI 18 13 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 18 30.36 [42], clauses 5.2.7   ETSI TSI TSI TSI TSI TSI TSI TSI TSI TSI			<b>← → ←</b>	PRACK 200 OK PRACK UPDATE 200 OK (UPDATE)	_			
and 5.2   ETSI EN 383 001 [36], clauses 7.1 and 6.2   ETSI TSI 175 183 006 [42], clauses 7.2.3.1 and 7.2.3.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TSI TSI 183 036 [42], clauses 5.2.7   ETSI TSI TSI 183 036 [42], clauses 7.2.3   ETSI TSI TSI 183 036 [42], clauses 5.2.7   ETSI TSI 183 [42], clauses			<b>←</b>	PRACK 200 OK PRACK UPDATE				
and 5.2			<b>←</b>	PRACK 200 OK PRACK UPDATE				
and 5.2			<b>←</b>	PRACK 200 OK PRACK UPDATE				
and 5.2   ETSI EN 383 001 [36], clauses 7, 2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 7, 2.3.1 and 7.2.3.2   ETSI TS 153 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 153 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 153 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.2   ETSI TS 183 036 [41], clauses 5.1.2   ETSI TS 183 036 [41], clauses 5.1.2   ETSI			+	PRACK 200 OK PRACK				
and 5.2    ETSI EN 383 001 [36], clauses 7, 2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 7, 2.3.1 and 7.2.3.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.2.7    TSS reference:   ISDN-ISDN/Basic_call/Successful//Speech/110108B     ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW     Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISDN user in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state U03 is performed and B-channels is performed correctly (e.g. testing QoS parameters).     Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.     In case when the parameter in the SDP rtpmap:   Case the parameter values calling user:     ISDN Parameter values calling user:     ISDN Parameter values:   SETUP BC = speech, no HLC     SETUP BC = speech, no HLC     BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress information may be available in-band")     Dial string parameters options=PIXIT PIXIT for supported header:     Case of Supported: 100 rel     Case of Supporte				PRACK				
and 5.2    ETSI EN 383 001 [36], clauses 7.1 and 6.2   ETSI EN 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI EN 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 045 [41], clause 5.2.7    TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B     ISDN = point-to-point Configuration: with DDI; PSTIX ML. and early media are not supported from the calling AGW/VGW     Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the calt be user a Call Proceedingmessage. Ensure that in the call be user a Call Proceedingmessage. Ensure that in the calt be user a Call Proceedingmessage. Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <a dynamic-pt"="" href="https://dwinter.com/doi/10.10/10/10/10/10/10/10/10/10/10/10/10/10/1&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;and 5.2   ETSI EN 383 001 [36], clauses 7.1 and 6.2   ETSI EN 29163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI EN 182 9163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI EN 183 036 [42], clauses 5.2.7   ETSI ENT END END END END END END END END END END&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td colspan=7&gt;Progress SDP&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;and 5.2    ETSI EN 383 001 [36], clauses 7.1 and 6.2     ETSI TS 129 163 [40], clauses 7.2.31 and 7.2.3.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.2.7     ETSI TS 183 043 [41], clause 5.2.7     ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clauses 5.2.7     ETSI TS 183 043 [41], clause 5.2.7     ETSI TS 183 04 [41], clause 5.2.7     ET&lt;/td&gt;&lt;td&gt;i&lt;/td&gt;&lt;td colspan=7&gt;← 183 Session&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;and 5.2    ETSI EN 383 001 [36], clauses 7.1 and 6.2     ETSI TS 129 163 [40], clauses 7.2.31 and 7.2.3.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clause 5.2.7     ETSI TS 183 043 [42], clause 5.2.7     ETSI TS 183 043 [41], clause 5.2.7     ETSI TS 183 0&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td colspan=8&gt;TOO TIYING&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;and 5.2    ETSI EN 383 001 [36], clauses 7,1 and 6.2     ETSI TS 129 163 [40], clauses 7,2.31 and 7.2.3.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clause 5.2.7     TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B     SIDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW     Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U3 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).     Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly. In case when the parameter in the SDP rtpmap:&lt;dynamic-PT&gt; is used the codecs in table 5 applies.     ISDN Parameter values calling user:    &lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td colspan=7&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;and 5.2   ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 [40], clauses 7,2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.2.7    TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B   ISDN = point-to-point Configuration: with DDI;   PSTN XML and early media are not supported from the calling AGW/VGW   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).   Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.   In case when the parameter in the SDP rtpmap:&lt;a href=">dynamic-PT</a> is used the codecs in table 5 applies.   SETUP BC = speech, no HLC   SETUP BC = speech, no HLC   SETUP BC = speech, no HLC   SETUP BC = speech   SETUP B		→ IMV/ITE SDD						
and 5.2   ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 [40], clauses 7,2.3.1 and 7.2.3.2   ETSI TS 129 163 [40], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.2.7    TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B   ISDN = point-to-point Configuration: with DDI;   PSTN XML and early media are not supported from the calling AGW/VGW   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).   Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.   In case when the parameter in the SDP rtpmap: <a href="dynamic-PT">dynamic-PT</a> is used the codecs in table 5 applies.   SETUP BC = speech, no HLC   SETUP BC = speech, no HLC   SETUP BC = speech, no HLC   SETUP BC = speech   SETUP B		b) ETSLTS 129 163 [40] (pre-condition met)						
and 5.2    ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 [40], clauses 7,2.3.1 and 7,2.3.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.7   TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B     Selection criteria:   ISDN = point-to-point Configuration: with DDI;     PSTN XML and early media are not supported from the calling AGW/VGW     PSTN XML and early media are not supported from the calling AGW/VGW     Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI     User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing OoS parameters).     Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.     In case when the parameter in the SDP rtpmap:   In case when the parameter in the SDP rtpmap:   SETUP BC = speech, no HLC		h) FTQI TQ 120 462 [40	l (pro o	ondition mot)				
and 5.2    ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 [40], clauses 7,2.3.1 and 7,2.3.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.7   ETSI TS 183 036 [42], clauses 5.2.7   TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B   Selection criteria:   ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW   Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing OoS parameters).   Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.   In case when the parameter in the SDP rtpmap:		KEL	7	200 OK BYE	<b>→</b>	KEL		
and 5.2    ETSI EN 383 301 [36], clauses 7.1 and 6.2   ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clause 5.2.7     TSS reference:   ISDN-ISDN/Basic_call/Successfull/Speech/110108B     Selection criteria:   ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW     Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U30 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).     Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.     In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.     SETUP BC = speech, no HLC     SIDN parameter values:     SIP Parameter values:     BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")     Dial string parameters options=PIXIT     PIXIT for supported header:     Case b) Supported: 100 rel     Case c) Supported: 100</dynamic-pt>								
and 5.2    ETSI EN 383 301 [36], clauses 7.1 and 6.2   ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI TS 183 306 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 043 [41], clause 5.2.7    TSS reference:   ISDN-ISDN/Basic_call/Successful//Speech/110108B   Selection criteria:   ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW   Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).   Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.   ISDN Parameter values:   SETUP BC = speech, no HLC    </dynamic-pt>		7100			1_			
and 5.2  ETSI EN 383 301 [36], clauses 7.1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 036 [42], clauses 5.2.7  TSS reference:  ISDN-ISDN/Basic_call/Successful//Speech/110108B  Selection criteria:  ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW  Test purpose:  Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters). Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.  ISDN Parameter values calling user:  ISDN Parameter values:  BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case b) Supported: 100 rel and precondition a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5) m = line (PIXIT - table 5)  SETUP  INVITE  SETUP PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  ALERT PI#8  LERT PI#8  INVITE  ALERT PI#8  LERT PI#8</dynamic-pt>		CON			+	CON		
and 5.2    ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2   ETSI TS 183 036 [42], clauses 5.1.7 and 5.1.2   ETSI TS 183 043 [41], clause 5.2.7    TSS reference:   ISDN-ISDN/Basic_call/Successful/Speech/110108B   Selection criteria:   ISDN = point-to-point Configuration: with DDI;   PSTN XML and early media are not supported from the calling AGW/VGW   PSTN XML and early media are not supported from the calling AGW/VGW   Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U3 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).   Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.   In case when the parameter in the SDP rtpmap:   SETUP BC = speech, no HLC					_			
and 5.2  ETSI EN 383 001 [36], clauses 7,1 and 6.2  ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2  ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2  ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2  ETSI TS 183 043 [41], clause 5.2.7  TSS reference:  ISDN-ISDN/Basic_call/Successful//Speech/110108B  Selection criteria:  ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW  Test purpose:  Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly.  (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.  ISDN Parameter  values calling user:  ISDN Parameter  values called user:  BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  Dial string parameters options=PIXIT  PIXIT for supported header:  Case a) no 100 rel  Case b) Supported: 100 rel  Case c) Supported: 100 rel  Case c) Supported: 100 rel  Case c) Supported: 100 rel and precondition  a = line (PIXIT - table 5)  b = line (PIXIT - table 5)  m = line (PIXIT - table 5)  M = INVITE  ISDN  SETUP PI#1("Call is not end-to-end ISDN: further call progress information may b available in-band")</dynamic-pt>					+			
and 5.2    ETSI TS 129 163 [40], clauses 7.1 and 6.2     ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2     ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2     ETSI TS 183 043 [41], clause 5.2.7     TSS reference:   ISDN-ISDN/Basic_call/Successful//Speech/110108B     Selection criteria:   ISDN = point-to-point Configuration: with DDI;     PSTN XML and early media are not supported from the calling AGW/VGW     Test purpose:   Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).     Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.     In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.     SETUP BC = speech, no HLC    </dynamic-pt>						available in-band")		
and 5.2  ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 19 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clauses 5.2.7  TSS reference:  ISDN-ISDN/Basic_call/Successful//Speech/110108B  Selection criteria:  ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW  Test purpose:  Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.  ISDN Parameter values:  ISDN Parameter values:  BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  Dial string parameters options=PIXIT PIXIT for supported header:  Case a) no 100 rel  Case b) Supported: 100 rel  Case c) Sup</dynamic-pt>								
and 5.2  ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 180 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 043 [41], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clauses 5.1.7  TSS reference:  ISDN-ISDN/Basic_call/Successful//Speech/110108B  Selection criteria:  ISDN = point-to-point Configuration: with DDI PSTN XML and early media are not supported from the calling AGW/VGW  Test purpose:  Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters). Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.  ISDN Parameter values calling user: ISDN Parameter values called user:  BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress informatio may be available in-band")  BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress informatio may be available in-band")  Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel Case c) Supported: 100 rel Case c) Supported: 100 rel Case in (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5) m = line (PIXIT - table 5) m = line (PIXIT - table 5) a) Without SDP pre-condition</dynamic-pt>		SETUP	7	IIIVIIE	7			
and 5.2  ETSI EN 383 001 [36], clauses 7,1 and 6.2  ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2  ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2  ETSI TS 183 043 [41], clause 5.2.7  TSS reference:  ISDN-ISDN/Basic_call/Successful//Speech/110108B  ISDN = point-to-point Configuration: with DDI;  PSTN XML and early media are not supported from the calling AGW/VGW  Test purpose:  Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.  ISDN Parameter values called user:  ISDN Parameter values:  BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  Dial string parameters options=PIXIT  PIXIT for supported header:  Case a) no 100 rel  Case b) Supported: 100 rel  Case c) Supported: 50 rel  ETSI TS 183 036 [42], clauses 5.2.7  ETSI TS 183 036 [42], clause 5.2.7  ETSI TS 18 23 04 [ST]  ETSI TS 18 23 04 [ST]  ETSI TS 18 23 04 [ST]  ETSI TS 183 036 [42]  ETSI TS 183 04 [ST]  ETSI TS 183 04 [ST]  ETSI T</dynamic-pt>				INIVITE		SETUD DI#1/"Call is not and		
and 5.2  ETSI EN 383 001 [36], clauses 7,1 and 6.2  ETSI TS 129 163 [40], clauses 7,2.3.1 and 7.2.3.2  ETSI TS 129 163 [40], clauses 5.1.1 and 5.1.2  ETSI TS 183 043 [41], clause 5.2.7  TSS reference:  ISDN-ISDN/Basic_call/Successful//Speech/110108B  Selection criteria:  ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the calling AGW/VGW  Test purpose:  Ensure that the ISDN user receives a Call Proceedingmessage message when the ISI User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement or the media channel is performed correctly. In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.  ISDN Parameter values:  ISDN Parameter values:  BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")  SIP Parameter values:  Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5) m = line (PIXIT - table 5)</dynamic-pt>			dition	Jour		אוחפון		
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ETSI EN 300 403-1 [1], ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1								
110108B ISDN ref. to: Other relevant ref.:					-			

110109	ISDN ref. to:		Other relevant ref.					
	ETSI EN 300 403-1 [1],				clauses 2.1.1 and 3.1.1			
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		+	100 Trying	<b>_</b>				
	ALERT PI#8 CON	<del>+</del>	180 Ringing 200 OK INVITE	<del>+</del>	ALERT CON			
	CON	<b>→</b>	ACK		CON			
	DISC	+	BYE	+	DISC			
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	b) ETSI TS 129 163 [40] (	pre-coi	ndition met)					
	CETUD A INVITE CDD							
	SETUP → INVITE SDP ← 100 Trying							
		† <u> </u>	1.55 1171119					
	← 183 Session							
	Progress SDP							
	→ PRACK							
	€ 200 OK PRACK							
	→ UPDATE ← 200 OK							
		`	(UPDATE)					
		<u> </u>		<b>→</b>	SETUP			
	ALERT PI#8	<del>+</del>	180 Ringing	+	ALERT			
		<b>→</b>	PRACK 200 OK PRACK					
	CON	+		+	CON			
		<b>→</b>						
	→ ACK							
			NOR					
	DISC REL	<b>←</b>	BYE 200 OK BYE	<b>←</b>	DISC REL			

110109A	ISDN ref. to:	Other relevant ref.:
1101097	ETSI EN 300 403-1 [1], clauses 5.1	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	and 5.2	3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	15.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7,1 and 6.2
		7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and
		5.1.2
TCC reference:	ICDN ICDN/Dasia as II/Consession/Co	ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/S	
Selection criteria:	ISDN = point-to-point Configuration:	
	PSTN XML and early media are not	
Test purpose:		an ALERTING message when the ISDN User
		TING message. Ensure that in the active call
		media and B-channels is performed correctly
	(e.g. testing QoS parameters).	
		state U4 the transfer of tone or announcement
	on the media channel is performed of	
	The state of the s	DP rtpmap: <dynamic-pt> is used the codecs</dynamic-pt>
	in table 5 applies.	
ISDN Parameter values	BC = speech, no HLC	
calling user:		
ISDN Parameter values	BC = 3,1 kHz audio	
called user:		
SIP Parameter values:	Dial string parameters options=PIXI7	
	PIXIT for supported header:	
	Case a) no 100 rel	
	Case b) Supported: 100 rel	
	Case c) Supported: 100 rel and prec	condition
	a = line (PIXIT - table 5)	
	b = line (PIXIT - table 5)	
	m = line (PIXIT - table 5)	
L		

Comments:					
Continuents.	ISDN		SUT		ISDN
	a) Without SDP pre-condition	<u>                                       </u>	1301		ISDN
	a) Without 3DF pre-condition	<b>→</b>	INVITE	<b>→</b>	SETUP
		<del>′</del>	100 Trying		32101
	ALERT PI#8 AND	+	180	+	ALERT
	PI#1("Call is not end-to- end ISDN: further call progress information may be available in-band")		Ringing		
	CON PI#1("Call is not end-to- end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	<b>←</b>	BYE	<u>+</u>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	L) ETOL TO 400 100 1101 1		Per ex		
	b) ETSI TS 129 163 [40] (pre		•		
		<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
				L_	
	ALEBE BLUG (1):5	_	100	<b>→</b>	SETUP
	ALERT PI#8 AND PI#1("Call is not end-to- end ISDN: further call progress information may be available in-band")	+	180 Ringing	+	ALERT
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110109B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
		ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/Sp	eech/110109B
Selection criteria:	ISDN = point-to-point Configuration: w PSTN XML and early media are not s	
Test purpose:	Ensure that the ISDN user receives a call state U07 is sending an ALERTIN (N10) the voice transfer on the media testing QoS parameters).  Ensure that in the Call Delivered call son the media channel is performed con the case when the parameter in the SC table 5 applies.	n ALERTING message when the ISDN User in IG message. Ensure that in the active call state and B-channels is performed correctly (e.g. state U4 the transfer of tone or announcement
ISDN Parameter values calling user:	BC = speech, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio	
SIP Parameter values:	Dial string parameters options=PIXIT  PIXIT for supported header:  Case a) no 100 rel  Case b) Supported: 100 rel  Case c) Supported: 100 rel and preco  a = line (PIXIT - table 5)  b = line (PIXIT - table 5)  m = line (PIXIT - table 5)	ndition

Commonto:					
Comments:	ISDN	1	SUT		ISDN
			301	<u> </u>	IODIN
	a) Without SDP pre-condition	<b>→</b>	INVITE	<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")
		+	100 Trying		,
	ALERT PI#8 AND	+	180 Ringing	+	ALERT
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pre-	condi	ition met)		
			1		
		<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
				<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")
	ALERT PI#8	+	180 Ringing	+	ALERT
		<b>→</b>	PRACK		
		+	200 OK		
		`	PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK	<b>→</b>	REL
	IXEL	7	BYE	7	INLL

110110	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	ISDN = point-to-point Configuration PSTN XML and early media are s	n: with DDI upported from the calling and called AGW/VGW
Test purpose:	call state U07 is sending an ALER (N10) the voice transfer on the metesting QoS parameters). Ensure that in the Call Delivered on the media channel is performed	es an ALERTING message when the ISDN User in ETING message. Ensure that in the active call state edia and B-channels is performed correctly (e.g. call state U4 the transfer of tone or announcement d correctly. e SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = speech, no HLC	
ISDN Parameter values called user:	BC = speech, no HLC	
SIP Parameter values:	Dial string parameters options=PI: PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and pr a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-conditio	n			1 -
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP
		+	100 Trying		
	ALERT PI#8	+	180 Ringing Including the P-Early- Media Header	+	ALERT PI#8
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pr	e-con	•		
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
					CETUD
	ALERT PI#8	+	180 Ringing Including the P-Early- Media Header	<b>→</b>	SETUP ALERT PI#8
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110110A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	ISDN = point-to-point Configuration PSTN XML and early media are n	n: with DDI ot supported from and called AGW/VGW
Test purpose:	call state U07 is sending an ALER (N10) the voice transfer on the metesting QoS parameters). Ensure that in the Call Delivered on the media channel is performed	es an ALERTING message when the ISDN User in ETING message. Ensure that in the active call state edia and B-channels is performed correctly (e.g. call state U4 the transfer of tone or announcement d correctly. e SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = speech, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio	
SIP Parameter values:	Dial string parameters options=PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and pr a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:					
2311111011101	ISDN		SUT		ISDN
	a) Without SDP pre-condition	n			
	SETUP	<del>``</del>	INVITE	<b>→</b>	SETUP
	=	+	100 Trying		
	ALERT PI#8 AND PI#1("Call is not end-to-	+	180 Ringing	<b>←</b>	ALERT PI#8
	end ISDN: further call progress information may be available in-band")				
	CON PI#1("Call is not end-to- end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
	ze avanasie in sana y	<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pr	e-con	,		
		<b>→</b>	INVITE SDP		
		+	100 Trying		
		<b>←</b>	183 Session		
			Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
			,/	<b>→</b>	SETUP
	ALERT PI#8	+	180 Ringing	<del>7</del>	ALERT PI#8
	ALLINI I IIIO	<b>→</b>	PRACK		7.00
		+	200 OK		
		L`	PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110110B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful	
Selection criteria:	ISDN = point-to-point Configuratio PSTN XML and early media are n	n: with DDI ot supported from the calling AGW/VGW
Test purpose:	call state U07 is sending an ALER (N10) the voice transfer on the metesting QoS parameters). Ensure that in the Call Delivered on the media channel is performed	es an ALERTING message when the ISDN User in ETING message. Ensure that in the active call state edia and B-channels is performed correctly (e.g. call state U4 the transfer of tone or announcement d correctly. e SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = speech, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio	
SIP Parameter values:	Dial string parameters options=PIX PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and pr a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-condition				
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")
		+	100 Trying		
	ALERT PI#8 AND	+	180 Ringing	+	ALERT PI#8
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) FTCLTC 400 400 [40] /		dition no - t\		1
	b) ETSI TS 129 163 [40] (pr	e-con	aition met)		
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
			ĺ		
		+	183 Session		
			Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK		
			PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
					OFTLID OFTLID DIVIA/IIC "
				<b>→</b>	SETUP SETUP PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")
	ALERT PI#8	+	180 Ringing	+	ALERT PI#8
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110111	ISDN ref. to:		Other relevant re	ef.:			
	ETSI EN 300 403-1 [1],				37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2				uses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1				clauses 6.2 and 7.1		
	and 5.2 ETSI EN 383 001 [36], clauses 7,1 and 6.2						
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3					
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2					
			ETSI TS 183 043	3 <u>[</u> 41]	, clause 5.2.7		
TSS reference:	ISDN-ISDN/Basic_call/Succe	ssful	/Speech/110111				
Selection criteria:	PSTN XML and early media a	are si	upported from the	callin	g and called AGW/VGW		
Test purpose:					nen the ISDN User in call state		
rest purpose.							
					ringing tone can be heard in the		
	early dialogue Ensure that in	the a	ctive call state (N1	10) th	e transfer of tone or		
	announcement on the media	and E	3-channels is perfo	orme	d correctly (e.g. testing QoS		
	parameters).		'		<b>,</b> ( 3		
ISDN Parameter	BC = speech, no HLC						
	BC = Speech, no nLC						
values calling user:							
ISDN Parameter	BC = speech, no HLC	_					
values called user:	, ,						
SIP Parameter values:	Dial string parameters options	2_DIV	(IT				
Tarameter values.		5=F1/	XI I				
	PIXIT for supported header:						
	Case a) no 100 rel						
	Case b) Supported: 100 rel						
	Case c) Supported: 100 rel a	nd nr	econdition				
		iu pi	econdition				
	a = line (PIXIT)						
	b = line (PIXIT)						
	m = line (PIXIT)						
Comments:	, ,						
Commente:	ICDN	l	CLIT	1	ICDNI		
	ISDN		SUT		ISDN		
	a) Without SDP pre-condition						
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP		
		+	100 Trying				
	CALL PROC		100 Hyllig	-	CALL PROC		
	CALL PROC	+		+	CALL PROC		
	ALERT	<b>←</b>	180 Ringing	<b>←</b>	ALERT		
	CON	+	200 OK INVITE	+	CON		
	00.1	<b>→</b>	ACK		00.1		
		7	ACK				
	DISC	←	BYE	<b>←</b>	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
			200 OK BIL		1112		
	b) SDP pre-condition met	_					
	INVITE SDP	<b>→</b>					
		<b>←</b>	100 Trying				
		+	183 Session				
		`					
		<del>  _</del>	Progress SDP	1			
		<b>→</b>	PRACK	<u> </u>			
		+	200 OK				
		ĺ	(PRACK)				
				1			
		<b>→</b>	UPDATE				
		<b>←</b>	200 OK				
			(UPDATE)				
			<u>'</u>	<b>→</b>	SETUP		
	CALL BROC	_					
	CALL PROC	<b>←</b>		+	CALL PROC		
	ALERT	<b>←</b>	180 Ringing	<b>←</b>	ALERT		
		<b>→</b>	PRACK				
		+	200 OK				
		_					
			(PRACK)	1			
	CON	←	200 OK INVITE	<b>←</b>	CON		
		<b>→</b>	ACK				
		<del></del>		1			
	2100	<u> </u>	->-	+	2100		
	DISC	+	BYE	+	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
L					_		

110111A	ISDN ref. to: Other relevant ref.:							
	ETSI EN 300 403-1 [1],		ETSI EN 300 89	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1				
	clauses 5.1 and 5.2			TU-T Q.699 [24], clauses 2.1.1 and 3.1.1				
	ITU-T Q.931 [38], clauses 5.1	I			clauses 6.2 and 7.1			
	and 5.2 ETSI EN 383 001 [36], clauses 7,1 and 6.2							
	ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3							
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2 ETSI TS 183 043 [41], clause 5.2.7						
T00 f	IODAL IODAL/D: II/O				, clause 5.2.7			
TSS reference:	ISDN-ISDN/Basic_call/Succe				II			
Selection criteria:		PSTN XML and early media are not supported from the called AGW/VGW						
Test purpose:					nen the ISDN User in call state			
					ringing tone can be heard in the			
	early dialogue Ensure that in							
	announcement on the media	and I	B-channels is perfe	orme	d correctly (e.g. testing QoS			
	parameters).							
ISDN Parameter	BC = speech, no HLC							
values calling user:	,							
ISDN Parameter	BC = 3,1 kHz audio							
values called user:	23 - 5,1 M 12 audio							
SIP Parameter values:	Dial string parameters option	0-DI	/IT					
OIF FAIAIIIEIEI VAIUES:		5= <b>7</b> 1/	XI I					
	PIXIT for supported header:							
	Case a) no 100 rel							
	Case b) Supported: 100 rel		11					
	Case c) Supported: 100 rel a	nd pr	econdition					
	a = line (PIXIT)							
	b = line (PIXIT)							
	m = line (PIXIT)							
Comments:								
	ISDN		SUT		ISDN			
	a) Without SDP pre-condition	1						
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP			
		+	100 Trying	<u> </u>				
	CALL PROC		100 Hymg	+	CALL PROC			
	ALERT	L	100 Dinging	+	ALERT			
		<del>(</del>	180 Ringing					
	CON PI#1("Call is not end-	<b>←</b>	200 OK INVITE	<b>←</b>	CON			
	to-end ISDN: further call							
	progress information may							
	be available in-band")							
		<b>→</b>	ACK					
	DISC	+	BYE	+	DISC			
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL			
	b) SDP pre-condition met		200 01( 0 1 2	1 -	1112			
	INVITE SDP	<b>→</b>						
	HAVIIE ODI		100 Truins	1				
	-	<del>-</del>	100 Trying	-				
		<b>←</b>	183 Session					
		<u> </u>	Progress SDP	<u> </u>				
		<b>→</b>	PRACK					
		+	200 OK					
			(PRACK)					
		<b>→</b>	UPDATÉ					
		+	200 OK					
			(UPDATE)					
		<b>†</b>	\`-·· <b>-</b> /	<b>→</b>	SETUP			
		<b> </b>		<del>-</del>	CALL PROC			
	ALERT	-	100 Din ::- :-					
	ALERT	<b>←</b>	180 Ringing	+	ALERT			
		<b>→</b>	PRACK	1	ļ			
		<b>←</b>	200 OK					
		<u> </u>	(PRACK)	<u> </u>				
	CON PI#1("Call is not end-	+	200 OK INVITE	+	CON			
	to-end ISDN: further call							
	progress information may							
	be available in-band")							
	,	<b>→</b>	ACK					
		† <del>-</del>	1	1				
	DISC	+	BYE	+	DISC			
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL			
	INCL	」フ	1200 ON DIE	7	NEL			

			1		
110111B	ISDN ref. to: Other relevant ref.:				
	ETSI EN 300 403-1 [1],		ETSI EN 300 899	9-1 [3	37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2				uses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2				
	and 5.2				
			E151 15 129 163	3 [40]	, clauses 7.2.3.1 and 7.2.3.2
			ETSLIS 183 036	5 [42]	, clauses 5.1.1 and 5.1.2
			ETSI TS 183 043	3 [41]	, clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Succe	essful	/Speech/110111B		
Selection criteria:	PSTN XML and early media a	are no	ot supported from	the c	alling AGW/VGW
Test purpose:					nen the ISDN User in call state
					ringing tone can be heard in the
	early dialogue Ensure that in				
	announcement on the media				
	parameters).	anu i	2-chamileis is peni	Jillie	a correctly (e.g. testing QOS
IODNI Damara atau					
ISDN Parameter	BC = speech, no HLC				
values calling user:					
ISDN Parameter	BC = 3,1 kHz audio				
values called user:					
SIP Parameter values:	Dial string parameters option	s=PI>	(IT		
	PIXIT for supported header:				
	Case a) no 100 rel				
	Case b) Supported: 100 rel				
		nd	ooondition		
	Case c) Supported: 100 rel a	na pr	econaition		
	a = line (PIXIT)				
	b = line (PIXIT)				
	m = line (PIXIT)				
Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-condition	1	1		1
	SETUP		INVITE	<b>→</b>	SETUP PI#1("Call is not end-
	SETOF	7	IIIVIIE	7	
					to-end ISDN: further call
					progress information may be
					available in-band")
		<b>←</b>	100 Trying		
	CALL PROC			+	CALL PROC
	ALERT	+	180 Ringing	+	ALERT
	CON	+	200 OK INVITE	+	CON
	CON	_		_	CON
		<b>→</b>	ACK		
	DISC	<b>←</b>	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) SDP pre-condition met	<u> </u>			
	INVITE SDP	<b>→</b>			
	HAVIIL ODF		400 Tm d	1	
		<del>(</del>	100 Trying	<b> </b>	
		<b>←</b>	183 Session		
			Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK		
		1 -	(PRACK)		
				<u> </u>	
		<b>→</b>	UPDATE	<b> </b>	
		<b>←</b>	200 OK		
			(UPDATE)	<u> </u>	
				<b>→</b>	SETUP PI#1("Call is not end-
					to-end ISDN: further call
					progress information may be
					available in-band")
				+	CALL PROC
	ALEDT	_	100 Dinging	_	
	ALERT	<b>←</b>	180 Ringing	+	ALERT
		<b>→</b>	PRACK	ļ	
		<b>←</b>	200 OK		
			L(DD A OLC)	1	
			(PRACK)		
	CON	+		+	CON
	CON		200 OK INVITE	+	CON
	CON	<b>←</b>		+	CON
		<b>→</b>	200 OK INVITE ACK		
	CON  DISC REL		200 OK INVITE	<b>← ←</b>	DISC REL

110112	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.7 and 5.2	I	ITU-T Q.699 [24] ITU-T Q.1912.5 ETSI EN 383 00 ETSI TS 129 163	9-1 [3 ], clau [35], ( 1 [36] 3 [40] 6 [42]	37], clauses 2.1.1 and 3.1.1 uses 2.1.1 and 3.1.1 clauses 6.2 and 7.1 ], clauses 7,1 and 6.2  , clauses 7.2.3.1 and 7.2.3.2  , clauses 5.1.1 and 5.1.2  , clause 5.2.7	
TSS reference:	SIP-ISDN/Basic_call/Success					
Selection criteria:	FAX G3-T.30; PSTN XML an	d ear	ly media are supp	orted	from the calling and called	
Toot numacou	AGW/VGW	t one	I the manning of th	- do	fined CDD perometers INIVITE	
Test purpose:	message and the SETUP me state (N10) the voice transfer testing QoS parameters).	ssag	e is performed cor	rectly	fined SDP parameters INVITE  v. Ensure that in the active call els is performed correctly (e.g.	
ISDN Parameter	BC = 3,1 kHz audio					
values calling user:	HLC = "Facsimile Group 2/3"					
ISDN Parameter values called user:	BC= 3,1 kHz audio					
SIP Parameter values:	Dial string parameters option	s=PI	KIT			
	PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition  a = line (PIXIT) b = line (PIXIT) m = line (PIXIT)					
Comments:						
	SIP		SUT		ISDN	
	a) Without SDP pre-condition					
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP	
		+	100 Trying			
	CALL PROC			<b>←</b>	CALL PROC	
	ALERT	<del>(</del>	180 Ringing	<del>(</del>	ALERT	
	CON	<b>←</b>	200 OK INVITE	+	CON	
		<b>→</b>	ACK			
	DISC	+	BYE	+	DISC	
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL	
	b) SDP pre-condition met		200 ON DIL		INCL	
	SETUP	<b>→</b>				
	<u></u>	+	INVITE SDP			
		+	100 Trying			
		<b>→</b>	183 Session			
			Progress SDP			
		<b>←</b>	PRACK			
		<b>→</b>	200 OK			
		_	(PRACK)	-	+	
		+	UPDATE 200 OK	<b>→</b>	SETUP	
		L	(UPDATE)		SETUP	
		+		+	ALERT	
	ALERT	+	180 Ringing	+	CON	
	CON	<b>→</b>	200 OK INVITE			
		-	ACK	<u> </u>		
	D.00	<b>←</b>	D) (5	<b>←</b>	DISC	
	DISC	<b>→</b>	BYE	<b>→</b>	REL	
	REL 200 OK BYE					

	Transis d		T			
110112A	ISDN ref. to:		Other relevant re			
	ETSI EN 300 403-1 [1],				37], clauses 2.1.1 and 3.1.1	
	clauses 3.1.10 and 5.2				uses 2.1.1 and 3.1.1	
					clauses 6.2 and 7.1	
	ETSI EN 383 001 [36], clauses 7,1 and 6.2					
					, clauses 7.2.3.1 and 7.2.3.2	
	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2					
			ETSI TS 183 04:		, clause 5.2.7	
TSS reference:	ISDN-ISDN/Basic_call/Succe	essful	/Speech/110112A			
Selection criteria:	FAX G3-T.30; PSTN XML an	ıd ear	ly media are not s	uppo	rted from the called AGW/VGW	
Test purpose:					fined SDP parameters INVITE	
					y. Ensure that in the active call	
	state (N10) the voice transfer	r on th	ne media and B-ch	nanne	els is performed correctly (e.g.	
	testing QoS parameters).				. , , ,	
ISDN Parameter	SETUP = 3,1 kHz audio;					
values:	,					
SIP Parameter values:	Dial string parameters option	s=PI)	KIT			
on random values.	Plai string paramotors option	0-1 17	W.I.			
	PIXIT for supported header:					
	Case a) no 100 rel					
	Case b) Supported: 100 rel					
		nd nr	acandition			
	Case c) Supported: 100 rel a	nu pr	CONTUILION			
	a line (DIVIT)					
	a = line (PIXIT)					
	b = line (PIXIT)					
	m = line (PIXIT)					
Comments:				1		
	SIP		SUT		ISDN	
	a) Without SDP pre-condition	<u>1</u>				
		<b>→</b>	INVITE	<b>→</b>	SETUP	
		<b>←</b>	100 Trying			
				+	CALL PROC	
	ALERT PI#1("Call is not	+	180 Ringing	+	ALERT	
	end-to-end ISDN: further					
	call progress information					
	may be available in-band")					
	CON PI#1("Call is not end-	+	200 OK INVITE	+	CON	
	to-end ISDN: further call	`	200 0101111112	-	0011	
	progress information may					
	be available in-band")					
	be available in-band )	<b>→</b>	ACK			
		<del>  </del>	ACK	1		
	DIGG	+	D) (E	<del>  _</del>	DIGG	
	DISC	+	BYE	+	DISC	
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL	
	b) SDP pre-condition met	_				
	SETUP	<b>→</b>				
		+	INVITE SDP			
		+	100 Trying			
		<b>→</b>	183 Session			
		1	Progress SDP			
		+	PRACK	1		
		<b>→</b>	200 OK	1		
		7	(PRACK)			
		+	UPDATE	1		
		<del></del>		_	OFTUR	
			200 OK	<b>→</b>	SETUP	
		<del> </del>	(UPDATE)	1_		
		+		+	ALERT	
	ALERT	+	180 Ringing	+	CON	
	CON	<b>→</b>	200 OK INVITE			
			ACK			
		+		+	DISC	
	DISC	<b>→</b>	BYE	<b>→</b>	REL	
	REL	Ť	200 OK BYE	† -	·	

_			-						
110112B	ISDN ref. to:		Other relevant re						
	ETSI EN 300 403-1 [1],				37], clauses 2.1.1 and 3.1.1				
	clauses 5.1 and 5.2				uses 2.1.1 and 3.1.1				
	ITU-T Q.931 [38], clauses 5.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1								
					], clauses 7,1 and 6.2				
					, clauses 7.2.3.1 and 7.2.3.2				
		, clauses 5.1.1 and 5.1.2							
		ETSI TS 183 043 [41], clause 5.2.7							
TSS reference:		SDN-ISDN/Basic_call/Successful/Speech/110112B							
Selection criteria:	FAX G3-T.30; PSTN XML a	ınd ear	ly media are not s	uppo	rted from the calling				
	AGW/VGW								
Test purpose:					fined SDP parameters INVITE				
					/. Ensure that in the active call				
		er on th	ne media and B-ch	nanne	els is performed correctly (e.g.				
	testing QoS parameters).								
ISDN Parameter	SETUP = 3,1 kHz audio;								
values:									
SIP Parameter values:	Dial string parameters optio	ns=PI	KIT						
	PIXIT for supported header:	:							
	Case a) no 100 rel								
	Case b) Supported: 100 rel								
	Case c) Supported: 100 rel	and pr	econdition						
	a = line (PIXIT)								
	b = line (PIXIT)								
	m = line (PIXIT)								
Comments:									
	SIP		SUT		ISDN				
	a) Without SDP pre-condition	on							
		<b>→</b>	INVITE	<b>→</b>	SETUP ALERT PI#1("Call is				
					not end-to-end ISDN: further				
					call progress information may				
					be available in-band")				
		+	100 Trying		,				
			, ,	+	CALL PROC				
		+	180 Ringing	+	ALERT				
	CON	+	200 OK INVITE	+	CON				
	3311	<b>→</b>	ACK	† <u> </u>	33.1				
		+-	7.011						
	DISC	+	BYE	+	DISC				
	REL		200 OK BYE	<b>→</b>	REL				
	b) SDP pre-condition met		1200 OK DIE	1 /	JINEE.				
	SETUP	→							
	SETUP	<del></del>	INVITE SDP	-					
					-				
		<del>-</del>	100 Trying	+	ļ				
		<b>→</b>	183 Session						
		+_	Progress SDP	1					
		<b>+</b>	PRACK	1					
		→	200 OK	1					
		<del>  _</del>	(PRACK)	1					
		+	UPDATE	<u> </u>					
			200 OK	<b>→</b>	SETUP PI#1("Call is not end-				
			(UPDATE)		to-end ISDN: further call				
				1	progress information may be				
				1	available in-band")				
		+		+	ALERT				
	ALERT	+	180 Ringing	+	CON				
	CON	<b>→</b>	200 OK INVITE						
			ACK						
		+		+	DISC				
	DISC	<b>→</b>	BYE	<b>→</b>	REL				
	REL		200 OK BYE						
ļ—————————————————————————————————————	+								

## 6.2.1.2 Successful - UDI

Successful
UDI

110201	ISDN ref. to:	Other relevant ref.:			
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1			
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1			
	ITU-T Q.931 [38] clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1			
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2			
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2			
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2			
TSS reference:	ISDN-ISDN/Basic_call/Successful/	/UDI/110201			
Selection criteria:					
Test purpose:	Ensure that call establishment usir	Ensure that call establishment using en-bloc sending is performed correctly			
Parameter values:	BC = UDI, no HLC	BC = UDI, no HLC			
Comments:					

110202	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38] clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	
Selection criteria:		
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
Parameter values:	BC = UDI, no HLC	
Comments:		

110203	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38] clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110203	
Selection criteria:		
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears	
	after answer	
Parameter values:	BC = UDI, no HLC	
Comments:		

110204	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110204	
Selection criteria:		
Test purpose:	Ensure that the call clearing proced	dure is performed correctly when the called user clears
	after answer	
Parameter values:	BC = UDI, no HLC	
Comments:		

110205	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110205
Selection criteria:	Telefax G4 teleservice	
Test purpose:	Support of Telefax G4 teleservice (	no LLC): Ensure that the HLC information is
	transported transparently through t	he network and correctly delivered to the called user
Parameter values:	BC = UDI, HLC = facsimile group 4	, no LLC
Comments:		

110206	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1], clauses 5.1	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/L	ISDN-ISDN/Basic_call/Successful/UDI/110206	
Selection criteria:	Telefax G4 teleservice		
Test purpose:	Support of telefax G4 teleservice: Ensure that the LLC and HLC information is transported		
	transparently through the network and correctly delivered to the called user		
Parameter values:	BC = UDI, HLC = facsimile group 4, LLC = telematic_term		
Comments:			

110207	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110207	
Selection criteria:	Teletex terminal (basic and mixed mode)	
Test purpose:	Support of teletex basic and mixed	mode terminals: Ensure that the LLC and HLC
	information is transported transparently through the network and correctly delivered to the	
	called user	
Parameter values:	BC = UDI, HLC = teletex mixed mo	de, LLC = telematic_term
Comments:		

110208	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110208	
Selection criteria:	Teletex terminal (basic and proces	Teletex terminal (basic and processable mode)	
Test purpose:		Support of teletex basic and processable mode terminals: Ensure that the LLC and HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = teletex processa	ble, LLC = telematic_term	
Comments:			

110209	ISDN ref. to:	Other relevant ref.:	
110200	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110209	
Selection criteria:	Teletex terminal (basic mode)		
Test purpose:	Support of teletex basic mode term	inals: Ensure that the LLC and HLC information is	
	transported transparently through t	he network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = teletex basic, LLC	BC = UDI, HLC = teletex basic, LLC = telematic_term	
Comments:			

110210	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110210
Selection criteria:	International videotex interworking	
Test purpose:	Support of international videotex interworking: Ensure that the LLC and HLC information	
	is transported transparently through the network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = videotex interworking, LLC = telematic_term	
Comments:		

110211	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37] 37, clauses 2.1.1 and 3.1.1
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110211	
Selection criteria:	Telex service	
Test purpose:	Support of telex service: Ensure the	at the HLC information is transported transparently
	through the network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = telex, no LLC	
Comments:		

110212	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110212	
Selection criteria:	Message Handling Systems	
Test purpose:	Support of Message Handling Systems: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = message handling system, no LLC	
Comments:		

110213	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110213	
Selection criteria:	OSI applications		
Test purpose:	Support of OSI application: Ensure that the HLC information is transported transparently		
	through the network and correctly of	delivered to the called user	
Parameter values:	BC = UDI, HLC = OSI application,	BC = UDI, HLC = OSI application, no LLC	
Comments:			

110214	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110214
Selection criteria:	Videotelephony teleservice	
Test purpose:	Support of videotelephony teleservice: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user (note).	
Parameter values:	BC = UDI, HLC = videotelephony_ic	
Comments:		

110215	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110215	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	
	Recommendation ITU-T X.30 [34]:	Ensure that the BC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 2,4 kbit/s, n	o LLC
Comments:		

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110216	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110216	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
		Ensure that the BC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 9,6 kbit/s, no	o LLC
Comments:		

110217	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110217	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	
		Ensure that the BC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 19,2 kbit/s,	no LLC
Comments:		

110218	ISDN ref. to:	Other relevant ref.:	
110210	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110218	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Reco	mmendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]:	Ensure that the LLC information is transported	
	transparently through the network	and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]		
	synchronous user rate 2,4 kbit/s		
Comments:			

110219	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110219	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recor	
		Ensure that the LLC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 9,6 kbit/s	
Comments:		

110220	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110220	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	mmendation ITU-T V.110 [33] /
		Ensure that the LLC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 19,2 kbit/s	
Comments:		

110221	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110221	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	mmendation ITU-T V.110 [33] /
		Ensure that BC and LLC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 2,4 kbit/s	
Comments:		

110222	ISDN ref. to:	Other relevant ref.:	
110222	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110222	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Reco	mmendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]:	Ensure that BC and LLC information is transported	
	transparently through the network	and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 9,6 kbit/s		
Comments:			

110223	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110223	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
		Ensure that BC and LLC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 19,2 kbit/s	
Comments:		

110224	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110224	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	mmendation ITU-T V.110 [33] /
		Ensure that the BC information is transported
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 2,4 kbit/s,	no LLC
Comments:		

110225	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110225	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Reco		
		Ensure that the BC information is transported	
	transparently through the network	and correctly delivered to the called user.	
Parameter values:	BC = Recommendation ITU-T V.11	0 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 9,6 kbit/s,	no LLC	
Comments:			

110226	ISDN ref. to:	Other relevant ref.:	
110220			
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38] clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110226	
Selection criteria:	Recommendation ITU-T V.110 [33	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /		
	Recommendation ITU-T X.30 [34]: Ensure that the BC information is transported		
	transparently through the network and correctly delivered to the called user.		
Parameter values:	BC = Recommendation ITU-T V.11	BC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 19,2 kbit/s	, no LLC	
Comments:			

110227	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI ETS 300 103 [i.1], annex I
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 7.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	5.2	3.1.1
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110227	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 2,4 kbit/s	
Comments:		

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110228	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI ETS 300 103 [i.1], annex I
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 7.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	5.2	3.1.1
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110228
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 9,6 kbit/s	
Comments:		

110229	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI ETS 300 103 [i.1], annex I
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 7.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	5.2	3.1.1
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110229	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that the LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 19,2 kbit/s	
Comments:		

110230	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110230	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that BC and LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 2,4 kbit/s	
Comments:		

110231	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110231	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that BC and LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 9,6 kbit/s	
Comments:		

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110232	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110232	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that BC and LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	asynchronous user rate 19,2 kbit/s	
Comments:		

110233	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110232	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] / Recommendation	
	ITU-T X.30 [34]: Ensure that the BC information is transported transparently through the	
	network and correctly delivered to the called user.	
Parameter values:	BC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 56 kbit/s, no LLC	
Comments:		

110234	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110234	
Selection criteria:	Recommendation ITU-T V.110 [33]	/ Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] / Recommendation	
	ITU-T X.30 [34]: Ensure that the LLC information is transported transparently through the	
	network and correctly delivered to the called user.	
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 56 kbit/s	
Comments:		

110235	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110235	
Selection criteria:	Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34] rate adaption	
Test purpose:	Support of terminal adaptors Recommendation ITU-T V.110 [33] /	
	Recommendation ITU-T X.30 [34]: Ensure that BC and LLC information is transported	
	transparently through the network and correctly delivered to the called user.	
Parameter values:	BC = LLC = Recommendation ITU-T V.110 [33] / Recommendation ITU-T X.30 [34]	
	synchronous user rate 56 kbit/s	
Comments:		

440040	IODNI f t	Oth an and account and a	
110240	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 7.1.3	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI/110240	
Selection criteria:	Syntax-based videotex teleservice		
Test purpose:	Support of syntax-based videotex t	Support of syntax-based videotex teleservice using end-to-end circuit connection: Ensure	
	that the LLC and HLC information i	that the LLC and HLC information is transported transparently through the network and	
	correctly delivered to the called user		
Parameter values:	BC = UDI, HLC = syntax-based vic	BC = UDI, HLC = syntax-based videotex, LLC = telematic_term	
Comments:			

110250	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.7
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI/110250	
Selection criteria:	FTAM teleservice	
Test purpose:	Support of file transfer & access management (FTAM) teleservice: Ensure that the LLC	
	and HLC information is transported transparently through the network and correctly	
	delivered to the called user	
Parameter values:	BC = UDI, HLC = FTAM, LLC = telematic_term	
Comments:		

110251	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.8	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI/110251	
Selection criteria:	Eurofile transfer teleservice		
Test purpose:	Support of Euro file transfer teleservice: Ensure that the LLC and HLC information is		
	transported transparently through the network and correctly delivered to the called user		
Parameter values:	BC = UDI, HLC = Eurofile, LLC = to	BC = UDI, HLC = Eurofile, LLC = telematic_term	
Comments:			

## 6.2.1.3 Successful - Audio

Successful	
3,1 kHz audio	

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110301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110301	
Selection criteria:	PSTN XML and early media are supported from the and called AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HI	_C
calling user:		
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
called user:		
Comments:		

110301A	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110301A	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
ISDN Parameter values	SETUP BC = 3,1 kHz audio, no HLC	
calling user:	ALERT: PI#1("Call is not end-to-en	d ISDN: further call progress information may be
	available in-band")	
	CONNECT:PI#1("Call is not end-t	o-end ISDN: further call progress information may be
	available in-band)"	-
ISDN Parameter values	SETUP:BC = 3,1 kHz audio	
called user:		
Comments:		

110301B	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110301A	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HI	_C
calling user:		
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bar	nd")
Comments:		

110302	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110302	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HL	C
calling user:		
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HL	C
called user:		
Comments:		

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110302A	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110302	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values	SETUP BC = 3,1 kHz audio, no HLC	
calling user:	ALERT: PI#1("Call is not end-to-en	d ISDN: further call progress information may be
	available in-band")	
	CONNECT:PI#1("Call is not end-to-	o-end ISDN: further call progress information may be
	available in-band")	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio	
called user:		
Comments:		

110302B	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110302	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
calling user:		
ISDN Parameter values	SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bai	nd")
Comments:		

110303	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110303	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the calling user clears	
	after answer	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HL	.C
calling user:		
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HL	C
called user:		
Comments:		

110304	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110304	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears	
	after answer	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
calling user:		
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
called user:		
Comments:		

110305	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	Telefax G2/G3 terminals, PSTN XML and early media are supported from the calling and	
	called AGW/VGW	
Test purpose:	Support of Telefax G2/G3: Ensure that the HLC information is transported transparently	
	through the network and correctly delivered to the called user.	
Parameter values:	SETUP: BC = 3,1 kHz audio, HLC = facsimile group 2/3	
Comments:		

110305A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	
Selection criteria:	Telefax G2/G3 terminals, PSTN XN AGW/VGW	/IL and early media are not supported from the called
Test purpose:	Support of Telefax G2/G3: The HLC information is not transported transparently through the network and correctly delivered to the called user.	
ISDN Parameter values	SETUP BC = 3,1 kHz audio, HLC =	= facsimile group 2/3
calling user:		d ISDN: further call progress information may be
	available in-band") CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	
ISDN Parameter values	BC = 3,1 kHz audio	
called user:		
Comments:		

110305B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic call/Successful/Audio/	
Selection criteria:	Telefax G2/G3 terminals, PSTN XML and early media are <b>not</b> supported from the calling AGW/VGW	
Test purpose:	Support of Telefax G2/G3: The HLC information is not transported transparently through the network and correctly delivered to the called user.	
	SETUP BC = 3,1 kHz audio, HLC = facsimile group 2/3	
	SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bar	nd")
Comments:		

110306	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio/
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW
Test purpose:	To verify that progress information	in the SETUP can be transported correctly to the
	called user	
Parameter values:	SETUP BC = 3,1 kHz audio, progre	ess value #3 "origination address is non ISDN"
Comments:		

110306A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic call/Successful/Audio/	
Selection criteria:	PSTN XML and early media are not supported from the called AGW/VGW	
Test purpose:	To verify that progress information, progress value #3 "origination address is non ISDN" in the SETUP can be transported correctly to the called user	
ISDN Parameter values calling user:	SETUP BC = 3,1 kHz audio, progress value #3 "origination address is non ISDN" ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band") CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	
	SETUP BC = 3,1 kHz audio	
called user:		
Comments:		

110306B	ISDN ref. to:	Other relevant ref.:
1100002	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
		ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	PSTN XML and early media are <b>not</b> supported from the <b>calling</b> AGW/VGW	
Test purpose:	To verify that progress information, progress value #3 "origination address is non ISDN"	
	in the SETUP can be transported correctly to the called user	
ISDN Parameter values	SETUP BC = 3,1 kHz audio	
calling user:		
ISDN Parameter values	SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bar	nd")
Comments:		

110307	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	To verify that progress information PI#2"destination address is non-ISDN".in the ALERT	
	IE can be transported correctly to the calling user	
Parameter values:	SETUP: BC = 3,1 kHz audio	
	ALERT: PI#2"destination address is non-ISDN".	
	BC = 3,1 kHz audio	
	ALERT: PI#2"destination address i	s non-ISDN".
Comments:		

110307A	ISDN ref. to: ETSI EN 300 403-1 [1],	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	PSTN XML and early media are supported not from the called AGW/VGW	
Test purpose:	To verify that progress information PI#2"destination address is non-ISDN". in the ALERT	
	IE cannot be transported correctly to the calling user	
ISDN Parameter values calling user:	SETUP BC = 3,1 kHz audio, progress value #3 "origination address is non ISDN" ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be available inband")	
	CONNECT:PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	
ISDN Parameter values	SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	ALERT: PI#2"destination address i	s non-ISDN".
Comments:		

110307B	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW		
Test purpose:	To verify that progress information PI#2"destination address is non-ISDN". in the ALERT		
	IE cannot be transported correctly	to the calling user	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio		
calling user:	ALERT:		
ISDN Parameter values	SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress		
called user:	information may be available in-band")		
	ALERT: PI#2"destination address is non-ISDN".		
Comments:			

110308	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1 and 5.2	
	ITU-T Q.931 [38], clauses 5.1 and	
	5.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW
Test purpose:	To verify that progress information in the CONNECT IE can be transported correctly to	
	the calling user	
Parameter values:	A:! SETUP: BC = 3,1 kHz audio	
	A:? CONNECT: PI#2"destination a	ddress is non-ISDN".
	B:? BC = 3,1 kHz audio	
	B:! CONNECT: PI#2"destination ac	ldress is non-ISDN".
Comments:		

110308A	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1 and 5.2	
	ITU-T Q.931 [38], clauses 5.1 and	
	5.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	Audio
Selection criteria:	PSTN XML and early media are no	t supported from the called AGW/VGW
Test purpose:	To verify that progress information	in the CONNECT IE cannot be transported correctly to
	the calling user	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, progress value #3 "origination address is non ISDN"	
calling user:	ALERT: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:PI#1("Call is not end-to-	end ISDN: further call progress information may be
	available in-band")	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-bar	
	CONNECT: PI#2"destination addre	ss is non-ISDN".
Comments:		

110308B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic call/Successful/Audio	
Selection criteria:	PSTN XML and early media are not supported from the calling AGW/VGW	
Test purpose:	To verify that progress information in the CONNECT IE can be transported correctly to the calling user	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, progr	ess value #3 "origination address is non ISDN"
calling user:	ALERT:	
	CONNECT:	
ISDN Parameter values	SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
	CONNECT: PI#2"destination address is non-ISDN".	
Comments:		

110309	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s is correctly delivered to the called user.	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s	
Comments:		

110310	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/Audio/110310	
Selection criteria:	Bearer service 3,1 kHz audio		
Test purpose:	Support of voice band data via mod	dem. Ensure that the BC = 3,1 kHz audio is correctly	
	mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous mode, user rate 9,6 kbit/s is correctly delivered to the called user.		
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous		
	mode, user rate 9,6 kbit/s		
Comments:			

110311	ISDN ref. to:	Other relevant ref.:	
110011	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	Bearer service 3,1 kHz audio; PST	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	and called AGW/VGW	
Test purpose:		Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly	
	mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem,		
	synchronous mode, user rate 56 kl	synchronous mode, user rate 56 kbit/s is correctly delivered to the called user.	
Parameter values:	BC = 3.1  kHz audio, $LLC = 3.1  kHz$	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous	
	mode, user rate 56 kbit/s		
Comments:			

110312	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 2,4 kbit/s and the LLC = 3,1 kHz audio,	
	voice band data via modem, synchronous mode, user rate 2,4 kbit/s are correctly	
	delivered to the called user.	
Parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate	
arameter values.	2.4 kbit/s	
Comments:	,	

110313	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band	
	data via modem, synchronous mode, user rate 9,6 kbit/s is correctly mapped and the	
	LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 9,6 kbit/s	
	is correctly delivered to the called user.	
Parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate	
	9,6 kbit/s	
Comments:		

110314	ISDN ref. to:	Other relevant ref.:
110314	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/110314	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band data via modem, synchronous mode, user rate 56 kbit/s is correctly mapped and the LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 56 kbit/s is correctly delivered to the called user.	
Parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 56 kbit/s	
Comments:		

110315	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band	
	data via modem, asynchronous mode, user rate 1,2 kbit/s is correctly delivered to the	
	called user.	
Parameter values:	BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2	
	kbit/s, no LLC	
Comments:		

110316	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band	
	data via modem, asynchronous mode, user rate 4,8 kbit/s is correctly delivered to the	
	called user.	
Parameter values:	BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate	
	4,8 kbit/s, no LLC	
Comments:		

110317	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	· · · · · · · · · · · · · · · · · · ·	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:		Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band	
Took pui pood.	data via modem, asynchronous mode, user rate 19,2 kbit/s is correctly delivered to the called user.		
Parameter values:	BC = 3,1 kHz audio, voice band da 19,2 kbit/s, no LLC	ata via modem, asynchronous mode, user rate	
Comments:			

110318	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information	
	and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate	
	1,2 kbit/s are correctly delivered to the called user.	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous	
	mode, user rate 1,2 kbit/s	
Comments:		

110319	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio/	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio information	
	and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate	
	4,8 kbit/s information is correctly delivered to the called user.	
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous	
	mode, user rate 4,8 kbit/s	
Comments:		

110320	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio is correctly mapped to the called user and the LLC = 3,1 kHz audio, voice band data via modem,		
	asynchronous mode, user rate 19,2 kbit/s is correctly delivered to the called user.		
Parameter values:	BC = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, asynchronous		
	mode, user rate 19,2 kbit/s		
Comments:			

110321	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling	
	and called AGW/VGW	
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s audio and the LLC = 3,1 kHz audio,	
	voice band data via modem, asynchronous mode, user rate 1,2 kbit/s are correctly	
	delivered to the called user.	
Parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate	
	1,2 kbit/s	
Comments:		

110322	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s are correctly delivered to the called user.		
Parameter values:	BC = LLC = 3,1 kHz audio, voice b 4,8 kbit/s	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:			

110323	ISDN ref. to:	Other relevant ref.:		
110020	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1		
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2		
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2		
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2		
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio			
Selection criteria:	Bearer service 3,1 kHz audio; PSTN XML and early media are supported from the calling and called AGW/VGW			
Test purpose:	Support of voice band data via modem. Ensure that the BC = 3,1 kHz audio voice band			
	data via modem, asynchronous mode, user rate 19,2 kbit/s and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 19,2 kbit/s are correctly			
	delivered to the called user.			
Parameter values:	BC = LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate			
	19,2 kbit/s			
Comments:				

110324	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2			
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2			
TSS reference:	ISDN-ISDN/Basic_call/Successful/	'Audio			
Selection criteria:	ISDN = point-to-point Configuration PSTN XML and early media are no	n: with DDI; of supported from the calling and called AGW/VGW			
Test purpose:	Ensure that the ISDN user receives a Call Proceedingmessage message when the ISDN User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.</dynamic-pt>				
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC				
ISDN Parameter values called user:	BC = 3,1 kHz audio, no HLC				
SIP Parameter values:	Dial string parameters options=PIX	KIT			
	PIXIT for supported header: Case a) no 100 rel				
	Case b) Supported: 100 rel				
	Case c) Supported: 100 rel and pro	econdition			
	a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)				

Comments:						
	ISDN		SUT		ISDN	
a) Without SDP pre-condition						
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP	
	CALL PROCEEDING PI#8	+	183 Session Progress Including the P-Early- Media Header	+	CALL PROCEEDING PI#8	
	ALERT	+	180 Ringing	+	ALERT	
	CON	+	200 OK INVITE	+	CON	
		<b>→</b>	ACK	<u> </u>		
	DISC	+	BYE	<b>←</b>	DISC	
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL	
	====					
	b) ETSI TS 129 163 [40] (pre		lition met)		T	
	SETUP	<b>→</b>	INVITE SDP			
		+	100 Trying			
		+	183 Session Progress SDP			
		<b>→</b>	PRACK			
		+	200 OK PRACK			
		<b>→</b>	UPDATE			
		+	200 OK (UPDATE)			
				_	OFT. ID	
	AL EDT	<u> </u>	100 D: :	<b>→</b>	SETUP	
	ALERT	+	180 Ringing	+	ALERT	
		<b>→</b>	PRACK			
		+	200 OK PRACK			
	CON	+	200 OK INVITE	+	CON	
		<b>→</b>	ACK	<u> </u>		
	2100	<b> </b>	D)/E	_	D100	
	DISC	+	BYE	<b>←</b>	DISC	
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL	

110324A	ISDN ref. to:  ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful//Audio
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from the called AGW/VGW
Test purpose:	Ensure that the ISDN user receives a Call Proceedingmessage message when the ISDN User in call state U03 is sending a Call Proceedingmessage. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.</dynamic-pt>
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC
ISDN Parameter values called user:	BC = 3,1 kHz audio
SIP Parameter values:	Dial string parameters options=PIXIT  PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition  a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)

Comments:					
Commonto.	ISDN		SUT		ISDN
	a) Without SDP pre-condition	<u> </u>			105.1
	SETUP	→	INVITE	<b>→</b>	SETUP
	02.0.	† <u>-</u>		<del>-</del>	CALL PROCEEDING PI#8
	ALERT PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	180 Ringing	+	ALERT
	CON PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pre				
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
		1			
				→	SETUP
	ALERT PI#8 PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	180 Ringing	+	ALERT
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110324B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful//A	
Selection criteria:	ISDN = point-to-point Configuration: PSTN XML and early media are not	with DDI; supported from the calling AGW/VGW
Test purpose:	ISDN User in call state U03 is sendir active call state (N10) the voice transcorrectly (e.g. testing QoS paramete Ensure that in the Call Delivered call on the media channel is performed control of the call control of the call call of the call channel is performed control of the call call call of the call call call of the call call call call call call call cal	state U4 the transfer of tone or announcement
ISDN Parameter values calling user:	SETUP BC = 3,1 kHz audio, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio; PI#1("Call is no information may be available in-band	t end-to-end ISDN: further call progress ")
SIP Parameter values:	Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and prec a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:									
	ISDN		SUT		ISDN				
	a) Without SDP pre-cond	a) Without SDP pre-condition							
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be				
					available in-band")				
				+	CALL PROCEEDING PI#8				
	ALERT PI#8	+	180 Ringing	+	ALERT				
	CON	+	200 OK INVITE	+	CON				
		<b>→</b>	ACK						
	DISC	+	BYE	+	DISC				
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL				
	b) ETSI TS 129 163 [40]	(pre-cond	dition met)						
			1	1					
		<b>→</b>	INVITE SDP						
		+	100 Trying						
		+	183 Session						
			Progress SDP						
		<b>→</b>	PRACK						
		+	200 OK PRACK						
		<b>→</b>	UPDATE						
		+	200 OK (UPDATE)						
				<b>→</b>	SETUP				
	ALERT PI#8	+	180 Ringing	+	ALERT				
		<b>→</b>	PRACK						
		+	200 OK PRACK						
	CON	+	200 OK INVITE	+	CON				
		<b>→</b>	ACK						
	DISC	+	BYE	<b>←</b>	DISC				
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL				

110325	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	
Selection criteria:		upported from the calling and called AGW/VGW
Test purpose:	call state U07 is sending an ALER (N10) the voice transfer on the me testing QoS parameters). Ensure that in the Call Delivered con the media channel is performed.	s an ALERTING message when the ISDN User in TING message. Ensure that in the active call state dia and B-channels is performed correctly (e.g. all state U4 the transfer of tone or announcement correctly.  SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio, no HLC	
SIP Parameter values:	Dial string parameters options=PIX PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and pro a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-condi	ition	•		•
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP
		+	100 Trying		
	ALERT PI#8	+	180 Ringing	+	ALERT
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	<del>/</del>	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
			5.2		
	b) ETSI TS 129 163 [40]	(pre-cond	lition met)	•	•
			T		1
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
			100 Trying		
		+	183		
			Session		
			Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
			(OI B/(IL)		
				<b>→</b>	SETUP
	ALERT PI#8	+	180 Ringing	+	ALERT
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DIGG		D)/E	_	DICC
	DISC	<b>←</b>	BYE	<b>←</b>	DISC
	REL	<b>—</b>	200 OK BYE	7	REL

110325A	ISDN ref. to:   Other relevant ref.:   ETSI EN 300 403-1 [1], clauses 5.1   and 5.2   ITU-T Q.931 [38], clauses 5.1 and 5.2   ITU-T Q.1912.5 [35], clauses 2.1.1 and 3.1.1   ITU-T Q.1912.5 [35], clauses 6.2 and 7.1   ETSI EN 383 001 [36], clauses 7,1 and 6.2   ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2   ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/Audio
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are not supported from called AGW/VGW
Test purpose:	Ensure that the ISDN user receives an ALERTING message when the ISDN User in call state U07 is sending an ALERTING message. Ensure that in the active call state (N10) the voice transfer on the media and B-channels is performed correctly (e.g. testing QoS parameters).  Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.  In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in table 5 applies.</dynamic-pt>
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC
ISDN Parameter values called user:	BC = 3,1 kHz audio
SIP Parameter values:	Dial string parameters options=PIXIT  PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition  a = line (PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)

Comments:					
Comments.	ISDN		SUT		ISDN
	a) Without SDP pre-condition	l			10511
	,,	<b>→</b>	INVITE	<b>→</b>	SETUP
		+	100 Trying		
	ALERT PI#8 AND	+	180	+	ALERT
	PI#1("Call is not end-to-end ISDN: further call progress information may be		Ringing		
	available in-band") CON	_	000 014	_	201
	PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) FTOLTO 400 400 [40] (		l':t' = t\		
	b) ETSI TS 129 163 [40] (pre-		•		1
		<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
			1	<del>                                     </del>	OFTUD
	ALEDT DI#0 AND		400	<b>→</b>	SETUP
	ALERT PI#8 AND PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	180 Ringing		ALERT
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110325B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and				
TSS reference:	_I  ISDN-ISDN/Basic_call/Successful/Au	5.1.2				
Selection criteria:	ISDN = point-to-point Configuration: v					
Selection criteria.		supported from the calling AGW/VGW				
Test purpose:	Ensure that the ISDN user receives a call state U07 is sending an ALERTIN (N10) the voice transfer on the media testing QoS parameters).  Ensure that in the Call Delivered call on the media channel is performed control in case when the parameter in the SE table 5 applies.	n ALERTING message when the ISDN User in IG message. Ensure that in the active call state and B-channels is performed correctly (e.g. state U4 the transfer of tone or announcement				
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC	C = 3,1 kHz audio, no HLC				
ISDN Parameter values called user:	BC = 3,1 kHz audio					
SIP Parameter values:	Dial string parameters options=PIXIT  PIXIT for supported header:  Case a) no 100 rel  Case b) Supported: 100 rel  Case c) Supported: 100 rel and preco  a = line (PIXIT - table 5)  b = line (PIXIT - table 5)  m = line (PIXIT - table 5)	ondition				

Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-condition		•	•	
		<b>→</b>	INVITE	<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")
		+	100 Trying		,
	ALERT PI#8 AND	+	180 Ringing	+	ALERT
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pre	-cond	lition met)		
		<b>→</b>	INVITE		
		-	SDP		
		+	100 Trying		
		+	183 Session Progress SDP		
		<b>→</b>	PRACK		
		<del>-</del>	200 OK		
			PRACK		
		<b>→</b>	UPDATE		
		<del>/</del>	200 OK		
			(UPDATE)		
				>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")
	ALERT PI#8	+	180 Ringing	+	ALERT
		<b>→</b>	PRACK		
		<del>′</del>	200 OK		
		`	PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110326	ETSI EN 300 403-1 [1], clauses 5.1 ETSI and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2 ETSI ETSI ETSI ETSI ETSI	relevant ref.: EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Q.699 [24], clauses 2.1.1 and 3.1.1 Q.1912.5 [35], clauses 6.2 and 7.1 EN 383 001 [36], clauses 7,1 and 6.2 TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful//Audio	
Selection criteria:	ISDN = point-to-point Configuration: with D PSTN XML and early media are supported	
Test purpose:	state U07 is sending an ALERTING messa the voice transfer on the media and B-chan parameters).	ERTING message when the ISDN User in call ge. Ensure that in the active call state (N10) nnels is performed correctly (e.g. testing QoS U4 the transfer of tone or announcement on map: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio, no HLC	
SIP Parameter values:	Dial string parameters options=PIXIT  PIXIT for supported header:  Case a) no 100 rel  Case b) Supported: 100 rel  Case c) Supported: 100 rel and precondition	on
	a = line (PIXIT - table 5PIXIT - table 5) b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:		_			
Commonto.	ISDN		SUT		ISDN
	a) Without SDP pre-cond	lition			
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP
		+	100 Trying		
	ALERT PI#8	+	180 Ringing Including the P-Early- Media Header	+	ALERT PI#8
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40]	(pre-condit	ion met)		]
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
		+	183 Session		
			Progress SDP		
		<b>→</b>	PRACK		
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
			1	<b>→</b>	SETUP
	ALERT PI#8	<b>←</b>	180 Ringing Including the P-Early- Media Header	+	ALERT PI#8
		<b>→</b>	PRACK		
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110326A	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	
Selection criteria:	ISDN = point-to-point Configuration	
Test purpose:	call state U07 is sending an ALER (N10) the voice transfer on the me testing QoS parameters). Ensure that in the Call Delivered con the media channel is performed	as an ALERTING message when the ISDN User in TING message. Ensure that in the active call state dia and B-channels is performed correctly (e.g. all state U4 the transfer of tone or announcement discorrectly.  SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio	
SIP Parameter values:	Dial string parameters options=PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and prediction a = line (PIXIT - table 5) b = line (PIXIT - table 5)	
	m = line (PIXIT - table 5)	

Comments:					
	ISDN		SUT		ISDN
	a) Without SDP pre-condition	n	•	•	•
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP
		+	100 Trying		
	ALERT PI#8 AND	+	180 Ringing	+	ALERT PI#8
	PI#1("Call is not end-to-				
	end ISDN: further call				
	progress information may				
	be available in-band")				
	CON	<b>←</b>	200 OK	<b>←</b>	CON
	PI#1("Call is not end-to-		INVITE		
	end ISDN: further call				
	progress information may				
	be available in-band")		A CIC	-	
	DICC	<b>→</b>	ACK	-	DICC
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40] (pr	→	INVITE SDP		
		+	100 Trying		
		<b>\</b>	100 Hyllig		
		+	183 Session		
		`	Progress		
			SDP		
		<b>→</b>	PRACK		
		+	200 OK		
			PRACK		
		<b>→</b>	UPDATE		
		+	200 OK		
			(UPDATE)		
				<b>→</b>	SETUP
	ALERT PI#8	+	180 Ringing	+	ALERT PI#8
		<b>→</b>	PRACK		
		+	200 OK		
			PRACK		
	CON	+	200 OK	<b>←</b>	CON
			INVITE		
		→	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

110326B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TSS reference:	ISDN-ISDN/Basic_call/Successful	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
Selection criteria:	ISDN = point-to-point Configuration	
Test purpose:	Ensure that the ISDN user receive state U07 is sending an ALERTIN the voice transfer on the media ar parameters). Ensure that in the Call Delivered of the media channel is performed contact.	es an ALERTING message when the ISDN User in call G message. Ensure that in the active call state (N10) and B-channels is performed correctly (e.g. testing QoS call state U4 the transfer of tone or announcement on
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC	
ISDN Parameter values called user:	BC = 3,1 kHz audio	
SIP Parameter values:	Dial string parameters options=PI: PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and pr a = line (PIXIT - table 5)	
	b = line (PIXIT - table 5) m = line (PIXIT - table 5)	

Comments:					
Comments.	ISDN		SUT		ISDN
	a) Without SDP pre-cond	dition		1	1.0011
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")
		+	100 Trying		·
	ALERT PI#8 AND	+	180 Ringing	+	ALERT PI#8
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) ETSI TS 129 163 [40]	   (pre-condit	ion met)		
	SETUP	<b>→</b>	INVITE SDP		
	SETOI	+	100 Trying	1	
			100 Trying		
		+	183 Session Progress		
			SDP		
		<b>→</b>	PRACK	-	
		+	200 OK PRACK		
		<b>→</b>	UPDATE		
		+	200 OK (UPDATE)		
				<b>→</b>	SETUP SETUP PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")
	ALERT PI#8	+	180 Ringing	+	ALERT PI#8
		<b>→</b>	PRACK		-
		+	200 OK PRACK		
	CON	+	200 OK INVITE	+	CON
		→	ACK		
	DISC	+	BYE	+	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL

440007	IODAL ( )		1011 1	,				
110327	ISDN ref. to:		Other relevant re		) <del>-</del> 1			
	ETSI EN 300 403-1 [1],				37], clauses 2.1.1 and 3.1.1			
	clauses 5.1 and 5.2				uses 2.1.1 and 3.1.1			
	ITU-T Q.931 [38], clauses 5.1				clauses 6.2 and 7.1			
	and 5.2				], clauses 7,1 and 6.2			
					, clauses 7.2.3.1 and 7.2.3.2			
TOC reference:	ICDN ICDN/Pasia asl/Cyasa	fl		5 [42]	, clauses 5.1.1 and 5.1.2			
TSS reference:	ISDN-ISDN/Basic_call/Succe			11:	a and called A C\A(A\C\A)			
Selection criteria:	PSTN XML and early media a							
Test purpose:		Ensure that SIP user receives a 180 Ringing message when the ISDN User in call state N09 is sending an ALERTING message. Ensure that the ringing tone can be heard in the						
	early dialogue Ensure that in							
	announcement on the media	anu i	s-channels is pend	ome	d correctly (e.g. testing QoS			
ISDN Parameter	parameters). BC = 3,1 kHz audio, no HLC							
	BC = 3,1 kHz audio, no HLC							
values calling user:	DC 2.1 kHz audia na HI C							
ISDN Parameter	BC = 3,1 kHz audio, no HLC							
values called user: SIP Parameter values:	Dial string parameters options	יום –	/IT					
oir raiailletei values:	PIXIT for supported header:	5=1/	M I					
	Case a) no 100 rel							
	Case b) Supported: 100 rel							
	Case c) Supported: 100 rel a	nd nr	econdition					
	a = line (PIXIT)	nu pi	econdition					
	b = line (PIXIT)							
	m = line (PIXIT)							
Comments:	111 - 11110 (1 17411)							
Commonto.	ISDN		SUT		ISDN			
	a) Without SDP pre-condition		1 001		10014			
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP			
	02101	+	100 Trying	-	02101			
	CALL PROC	+	100 Hymig	+	CALL PROC			
	ALERT	+	180 Ringing	+	ALERT			
	CON	+	200 OK INVITE	÷	CON			
	0011	<b>→</b>	ACK	<u> </u>	0011			
		Ť	7.01.					
	DISC	+	BYE	+	DISC			
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL			
	b) SDP pre-condition met			<u> </u>	==			
	INVITE SDP	<b>→</b>						
		<b>←</b>	100 Trying					
		+	183 Session					
			Progress SDP					
		<b>→</b>	PRACK					
			200 OK					
			(PRACK)					
		<b>→</b>	UPDATE					
		+	200 OK					
			(UPDATE)					
			,	<b>→</b>	SETUP			
	CALL PROC	<del>(</del>		+	CALL PROC			
	ALERT	<b>←</b>	180 Ringing	+	ALERT			
		<b>→</b>	PRACK					
		+	200 OK					
			(PRACK)					
	CON	+	200 OK ÍNVITE	+	CON			
		<b>→</b>	ACK					
	DISC	+	BYE	+	DISC			
	REL → 200 OK BYE → REL							

-	T		T = .				
110327A	ISDN ref. to: ETSI EN 300 403-1 [1],			9-1 [3	37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.	1			uses 2.1.1 and 3.1.1 clauses 6.2 and 7.1		
	and 5.2	•			], clauses 7,1 and 6.2		
			ETSI TS 129 163	3 [40]	, clauses 7.2.3.1 and 7.2.3.2		
				6 [42]	, clauses 5.1.1 and 5.1.2		
TSS reference:	ISDN-ISDN/Basic_call/Succe				H		
Selection criteria:	PSTN XML and early media						
Test purpose:					nen the ISDN User in call state ringing tone can be heard in the		
	early dialogue Ensure that in						
	announcement on the media						
	parameters).						
ISDN Parameter	BC = 3,1 kHz audio, no HLC						
values calling user: ISDN Parameter	DC 24141= audia						
values called user:	BC = 3,1 kHz audio						
SIP Parameter values:	Dial string parameters option	s=PI)	KIT				
on randineter values.	PIXIT for supported header:	15—1 17	XII				
	Case a) no 100 rel						
	Case b) Supported: 100 rel						
	Case c) Supported: 100 rel a	ınd pr	econdition				
	a = line (PIXIT) b = line (PIXIT)						
	m = line (PIXIT)						
Comments:							
	ISDN		SUT		ISDN		
	a) Without SDP pre-condition	1	1	1			
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP		
		+	100 Trying				
	CALL PROC			+	CALL PROC		
	ALERT	<b>←</b>	180 Ringing	+	ALERT		
	CON PI#1("Call is not end-	+	200 OK INVITE	<b>←</b>	CON		
	to-end ISDN: further call progress information may						
	be available in-band")						
	be available in bana /	<b>→</b>	ACK				
	DISC	+	BYE	+	DISC		
	REL	→	200 OK BYE	<b>→</b>	REL		
	b) SDP pre-condition met		1				
	INVITE SDP	<b>→</b>	400 T :				
		+	100 Trying	1			
		~	183 Session Progress SDP	1			
		<b>→</b>	PRACK	1	<del> </del>		
		<del>-</del>	200 OK	<u>†                                      </u>			
			(PRACK)	1			
		<b>→</b>	UPDATE				
		+	200 OK				
			(UPDATE)	<b> </b>	OFTUD		
				<b>→</b>	SETUP		
	ALEDT	+	190 Dinging	+	CALL PROC ALERT		
	ALERT	<b>~</b>	180 Ringing PRACK	+	ALENI		
		+	200 OK	+			
			(PRACK)	1			
	CON PI#1("Call is not end-	+	200 OK INVITE	+	CON		
	to-end ISDN: further call			1			
	progress information may			1			
	be available in-band")		1014	1			
		→	ACK	1			
	DISC	+	BYE	+	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
L	REL 7 ZUU UN DIE 7 KEL						

110327B	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5. and 5.2		ITU-T Q.699 [24] ITU-T Q.1912.5 [ ETSI EN 383 00 ETSI TS 129 163 ETSI TS 183 036	9-1 [3 ], clau [35], ( 1 [36] 3 [40]	37], clauses 2.1.1 and 3.1.1 uses 2.1.1 and 3.1.1 clauses 6.2 and 7.1 l, clauses 7,1 and 6.2 , clauses 7.2.3.1 and 7.2.3.2 , clauses 5.1.1 and 5.1.2		
TSS reference:	ISDN-ISDN/Basic_call/Succe						
Selection criteria:	PSTN XML and early media						
Test purpose:	Ensure that SIP user receives a 180 Ringing message when the ISDN User in call state N09 is sending an ALERTING message. Ensure that the ringing tone can be heard in the early dialogue Ensure that in the active call state (N10) the transfer of tone or announcement on the media and B-channels is performed correctly (e.g. testing QoS parameters).						
ISDN Parameter values calling user:	BC = 3,1 kHz audio, no HLC						
ISDN Parameter	BC = 3,1 kHz audio						
values called user:							
SIP Parameter values:	Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition a = line (PIXIT) b = line (PIXIT) m = line (PIXIT)						
Comments:				,			
	ISDN		SUT		ISDN		
	a) Without SDP pre-condition	1					
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")		
		+	100 Trying				
	CALL PROC			+	CALL PROC		
	ALERT	+	180 Ringing	+	ALERT		
	CON	+	200 OK INVITE	+	CON		
		<b>→</b>	ACK				
	DISC	+	BYE	+	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
		17	200 OK BTE	7	KEL		
	b) SDP pre-condition met		т —				
	INVITE SDP	<b>→</b>					
		+	100 Trying				
		<b>←</b>	183 Session				
			Progress SDP				
		<b>→</b>	PRACK				
		+	200 OK				
			(PRACK)				
		<b>→</b>	UPDATE				
		<del>-</del>	200 OK				
			(UPDATE)				
	→ SETUP PI#1("Ci to-end ISDN: fur progress informa available in-band						
		<u> </u>		<b>←</b>	CALL PROC		
	ALERT	+	180 Ringing	<b>←</b>	ALERT		
		<b>→</b>	PRACK				
		+	200 OK (PRACK)				
	CON	+	200 OK INVITE	+	CON		
		<b>\</b>	ACK				
		+-	, ισιι	<del>                                     </del>			
	DIO0						
i .	DISC						
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		

	T.==		1					
110328	ISDN ref. to:		Other relevant					
	ETSI EN 300 403-1 [1], clauses 5.1 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.							
	and 5.2				clauses 2.1.1 and 3.1.1			
	ITU-T Q.931 [38], clauses 5.1 and ITU-T Q.1912.5 [35], clauses 6.2 and 7.1							
	5.2 ETSI EN 383 001 [36], clauses 7,1 and 6.2							
	ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2							
				036 [4	42], clauses 5.1.1 and 5.1.2			
TSS reference:	ISDN-ISDN/Basic_call/Succes							
Selection criteria:	FAX G3; PSTN XML and early	y media	a are supported	from	the calling and called			
	AGW/VGW							
Test purpose:					fined SDP parameters for T.38			
					erformed correctly. Ensure that			
	in the active call state (N10) the			e med	dia and B-channels is			
	performed correctly (e.g. testing	ng QoS	parameters).					
ISDN Parameter	BC = 3,1 kHz audio							
values calling user:	HLC = "Facsimile Group 2/3"							
ISDN Parameter	BC= 3,1 kHz audio							
values called user:								
SIP Parameter values:	Dial string parameters options	=PIXIT						
	PIXIT for supported header:							
	Case a) no 100 rel							
	Case b) Supported: 100 rel		1'4'					
	Case c) Supported: 100 rel ar	ia preco	ondition					
	a = line Based on T.38. b = line AS: 64							
	m = line: <b>VA_Transport</b> ; T38	(acc to	blo 4)					
Commenter	III = IIIIe. VA_ITAIISPOIT, 136	(See la	ble 4)					
Comments:	ISDN		SUT		ISDN			
	a) Without SDP pre-condition		301		ISDN			
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP			
	SETUP	<del></del>		7	SETUP			
	CALL DDOC		100 Trying	+	CALL DDOC			
	CALL PROC ALERT	+	100 Dinging	<del></del>	CALL PROC ALERT			
	·		180 Ringing	-				
	CON	<b>←</b>	200 OK INVITE	<b>←</b>	CON			
		<b>→</b>	ACK					
			ACK					
	DISC	+	BYE	+	DISC			
	REL							
	: :==	<b>→</b>	200 OK BYE	<b>→</b>	REL			
	b) SDP pre-condition met		INIVITE ODD	1				
	SETUP	<u>→</u>	INVITE SDP					
			100 Trying					
		<b>←</b>	183 Session					
			Progress SDP					
			PRACK	-				
		<u>→</u>		<u> </u>				
		~	200 OK					
		<b>→</b>	(PRACK) UPDATE	-				
		<del>7</del>	200 OK	-				
		~						
			(UPDATE)	<u> </u>	CETUD			
	CALL DROC			<b>→</b>	SETUP			
	CALL PROC	<del>-</del>	400 Dim crim	<del>-</del>	CALL PROC			
	ALERT	<del>-</del>	180 Ringing	<del>-</del>	ALERT			
	CON	<b>←</b>	200 OK	+	CON			
			INVITE					
		<b>→</b>	ACK					
	DICC		DVE	1	DICC			
	DISC	<u>+</u>	BYE	<b>+</b>	DISC			
	REL → 200 OK BYE → REL							

4400000	lional ( )	lou i i				
1103028	ISDN ref. to:	Other relevant ref.:				
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1				
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1				
	ITU-T Q.931 [38], clauses 5.1	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1				
	and 5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2				
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2				
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2				
TSS reference:	ISDN-ISDN/Basic_call/Successful/	/Audio				
Selection criteria:	FAX G3; PSTN XML and early med	dia are not supported from the called AGW/VGW				
Test purpose:	Ensure that call establishment and	the mapping of the defined SDP parameters for				
	T.38 between INVITE message and	d the SETUP message is performed correctly.				
	Ensure that in the active call state	(N10) the voice transfer on the media and B-				
	channels is performed correctly (e.	g. testing QoS parameters).				
ISDN Parameter	BC = 3,1 kHz audio					
values calling user:	HLC = "Facsimile Group 2/3"					
ISDN Parameter	BC = 3,1 kHz audio					
values called user:						
SIP Parameter values:	Dial string parameters options=PIX	IT The state of th				
	PIXIT for supported header:					
	Case a) no 100 rel					
	Case b) Supported: 100 rel					
	Case c) Supported: 100 rel and pre	econdition				
	a = line Based on T.38.					
	b = line AS: 64					
	m = line: <b>VA_Transport</b> ; T38 (see	table 4)				

Comments:					
Commonto.	ISDN		SUT		ISDN
	a) Without SDP pre-condition	<u> </u>	, 551		10511
	SETUP	→	INVITE	<b>→</b>	SETUP
	<del></del>	+	100 Trying		<u> </u>
			100 1171119	+	CALL PROC
	ALERT PI#1("Call is not	+	180 Ringing	+	ALERT
	end-to-end ISDN: further				
	call progress information				
	may be available in-band")				
	CON PI#1("Call is not end-	+	200 OK	+	CON
	to-end ISDN: further call		INVITE		
	progress information may				
	be available in-band")				
		<b>→</b>	ACK		
	DISC	+	BYE	<b>←</b>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) SDP pre-condition met		_		<del>_</del>
	SETUP	<b>→</b>	INVITE SDP		
		+	100 Trying		
		<b>←</b>	183 Session		
			Progress		
		<del>  _</del>	SDP		
		<b>→</b>	PRACK		
		<b>←</b>	200 OK		
		+	(PRACK)	-	
		<b>→</b>	UPDATE	-	
		+	200 OK		
		1	(UPDATE)		CETUD
		1		<b>→</b>	SETUP
	ALEDT DI#4/"O-" :	<del> </del>	400 Di	<del>-</del>	CALL PROC
	ALERT PI#1("Call is not end-to-end ISDN: further	<b>←</b>	180 Ringing	+	ALERT
	call progress information				
	may be available in-band")				
	CON PI#1("Call is not end-	+	200 OK	+	CON
	to-end ISDN: further call		INVITE		
	progress information may				
	be available in-band")				
	20 available iii baila )	<b>→</b>	ACK		
	DISC	<del>-</del>	BYE	+	DISC
	REL	<u>`</u>	200 OK BYE	<b>→</b>	REL
	INCL		LOUGINDIL		INEL

110328B	ISDN ref. to: ETSI EN 300 403-1 [1], claused 5.2 ITU-T Q.931 [38], clauses 5	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2					
TSS reference:	ISDN-ISDN/Basic_call/Succ	essful//A	Audio				
Selection criteria:	FAX G3; PSTN XML and ea	arly medi	a are not suppo	rted f	rom the calling AGW/VGW		
Test purpose:	Ensure that call establishmed between INVITE message a in the active call state (N10) performed correctly (e.g. testable).	ent and the South	he mapping of the SETUP message te transfer on the	ne de e is pe	fined SDP parameters for T.38 erformed correctly. Ensure that		
ISDN Parameter	BC = 3,1 kHz audio						
values calling user:	HLC = "Facsimile Group 2/3	3"					
ISDN Parameter	BC= 3,1 kHz audio						
values called user:	,						
SIP Parameter values:	Dial string parameters options=PIXIT PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition a = line Based on T.38. b = line AS: 64 m = line: VA_Transport; T38 (see table 4)						
Comments:	10211				10001		
	ISDN		SUT		ISDN		
	a) Without SDP pre-condition	n					
	SETUP	<b>→</b>	INVITE	<b>→</b>	SETUP ALERT PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")		
		+	100 Trying				
				+	CALL PROC		
		+	180 Ringing	+	ALERT		
	CON	+	200 OK INVITE	+	CON		
		<b>→</b>	ACK				
	DISC	+	BYE	<b>←</b>	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
	b) SDP pre-condition met		1				
	SETUP	<b>→</b>	INVITE SDP				
		<del>-</del>	100 Trying	1			
		+	183 Session Progress SDP				
		<b>→</b>	PRACK	+			
		+	200 OK	1			
		+ -	(PRACK)	1			
		<b>→</b>	UPDATE	1			
		<b>←</b>	200 OK				
			(UPDATE)	<b>→</b>			
		SETUP PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")					
				+	CALL PROC		
		+	180 Ringing	+	ALERT		
	CON	+	200 OK INVITE	+	CON		
		<b>→</b>	ACK				
	DISC	+	BYE	+	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
<u> </u>	REL   7   ZOU ON BIE   7   REL						

Table 4

Parameter transport protocol VA_Transport					
VA_Transport_1	udptl				
VA_Transport_2	tcptl				

110329	ISDN ref. to:		Other relevant re	ef.:			
	ETSI EN 300 403-1 [1],				37], clauses 2.1.1 and 3.1.1		
	clauses 5.1 and 5.2				uses 2.1.1 and 3.1.1		
	ITU-T Q.931 [38], clauses 5.1	1			clauses 6.2 and 7.1		
	and 5.2	•			], clauses 7,1 and 6.2		
	ana 5.2		ETSI TS 129 16	3 [40	], clauses 7.2.3.1 and 7.2.3.2		
					, clauses 5.1.1 and 5.1.2		
TSS reference:	SIP-ISDN/Basic_call/Success	sful//					
Selection criteria:	FAX G3-T.30; PSTN XML an	d ear	rly media are supp	orted	from the calling and called		
	AGW/VGW				S		
Test purpose:					fined SDP parameters INVITE		
					y. Ensure that in the active call		
		on tl	he media and B-ch	nanne	els is performed correctly (e.g.		
107117	testing QoS parameters).						
ISDN Parameter	BC = 3,1 kHz audio						
values calling user:	HLC = "Facsimile Group 2/3"						
ISDN Parameter	BC= 3,1 kHz audio						
values called user: SIP Parameter values:	Dial string parameters option	c_DI	VIT				
on raiameter values.	Diai string parameters option	3-1 1/	Al I				
	PIXIT for supported header:						
	Case a) no 100 rel						
	Case b) Supported: 100 rel						
	Case c) Supported: 100 rel a	nd pr	econdition				
	a = line (PIXIT)						
	b = line (PIXIT)						
	m = line (PIXIT)						
Comments:	olp.	1	01.17	1	1001		
	SIP		SUT		ISDN		
	a) Without SDP pre-condition		IND /ITE		OFTUD		
	SETUP	<b>→</b>	INVITE 100 Trying	<b>→</b>	SETUP		
	CALL PROC		100 Trying	+	CALL PROC		
	ALERT	+	180 Ringing	<del>-</del>	ALERT		
	CON	<del>`</del>	200 OK INVITE	+	CON		
	0014	<b>→</b>	ACK	•	0011		
		<u> </u>	/\OK				
	DISC	<del>-</del>	BYE	+	DISC		
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL		
	b) SDP pre-condition met	1		1			
	SETUP	<b>→</b>					
		+	INVITE SDP				
		+	100 Trying				
		<b>→</b>	183 Session				
			Progress SDP				
		+	PRACK				
		<b>→</b>	200 OK				
		<u> </u>	(PRACK)	ļ			
		<b>←</b>	UPDATE	<b> </b>			
			200 OK	<b>→</b>	SETUP		
		_	(UPDATE)	_	ALEDT		
	ALEDT	<b>←</b>	100 Dinging	+	ALERT CON		
	ALERT CON	<b>~</b>	180 Ringing 200 OK INVITE	_	CON		
	CON	<del>                                     </del>	ACK	1			
		+	AUN	+	DISC		
	DISC	<b>→</b>	BYE	<b>→</b>	REL		
	REL	<del>  _</del>	200 OK BYE	+	1122		
	ALL ZOO ON BIE						

110329A	ISDN ref. to: ETSI EN 300 403-1 [1], clause 4.5.18	Other relevant ref.: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2				
TSS reference:	ISDN-ISDN/Basic_call/Succe				stool from the collect ACMACM	
Selection criteria:					rted from the called AGW/VGW	
Test purpose:	message and the SETUP me state (N10) the voice transfer testing QoS parameters).	ssag	e is performed cor	rectly	fined SDP parameters INVITE  /. Ensure that in the active call  els is performed correctly (e.g.	
ISDN Parameter values:	SETUP = 3,1 kHz audio;					
SIP Parameter values:	Dial string parameters option	s=PI)	KIT			
	PIXIT for supported header: Case a) no 100 rel Case b) Supported: 100 rel Case c) Supported: 100 rel and precondition  a = line (PIXIT) b = line (PIXIT)					
	m = line (PIXIT)					
Comments:	OID	1	OUT	1	IODN	
	SIP		SUT		ISDN	
	a) Without SDP pre-condition		IND/ITE		OFTUD	
		<b>→</b>	INVITE	<b>→</b>	SETUP	
		<b>←</b>	100 Trying	ļ		
				<b>←</b>	CALL PROC	
	ALERT PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	+	180 Ringing	+	ALERT	
	CON PI#1("Call is not end- to-end ISDN: further call progress information may be available in-band")	+	200 OK INVITE	+	CON	
		<b>→</b>	ACK			
	DISC	<del>(</del>	BYE	<del>(</del>	DISC	
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL	
	b) SDP pre-condition met		1		•	
	SETUP	<b>→</b>				
		<b>←</b>	INVITE SDP			
		<b>←</b>	100 Trying			
		<b>→</b>	183 Session			
		-	Progress SDP			
		+	PRACK			
		<u>`</u>	200 OK			
		]	(PRACK)			
		+	UPDATE	<u> </u>		
			200 OK (UPDATE)	<b>→</b>	SETUP	
		<del>(</del>	ĺ	<del>(</del>	ALERT	
	ALERT	+	180 Ringing	+	CON	
	CON	<b>→</b>	200 OK INVITE			
			ACK			
		+	_	+	DISC	
	DISC	<b>→</b>	BYE	<b>→</b>	REL	
	REL		200 OK BYE			
	<u>ı··</u>	1	1-00 011 011			

110329B	ISDN ref. to:		Other relevant re	ef.:	
	ETSI EN 300 403-1 [1],				37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2				uses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.	1			clauses 6.2 and 7.1
	and 5.2	1	ETCL EN 202 00	[၁၁], 4 [၁၉	1 alayses 7.1 and 6.2
	and the contract of the contra				
	ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2				
	10711107117	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2			
TSS reference:	ISDN-ISDN/Basic_call/Succe				
Selection criteria:	FAX G3-T.30; PSTN XML an	nd ear	rly media are not s	uppo	rted from the calling
	AGW/VGW				
Test purpose:	Ensure that call establishmen	nt and	d the mapping of th	ne de	fined SDP parameters INVITE
					y. Ensure that in the active call
	state (N10) the voice transfer	r on t	he media and B-ch	nanne	els is performed correctly (e.g.
	testing QoS parameters).				p
ISDN Parameter	SETUP = 3,1 kHz audio;				
values:	02101 = 0,1 KH2 dudio,				
SIP Parameter values:	Dial string parameters option	o-DI	VIT		
SIF Farameter values.	Diai string parameters option	15=F1.	VI I		
	DIVIT to a common at a different and				
	PIXIT for supported header:				
	Case a) no 100 rel				
	Case b) Supported: 100 rel				
	Case c) Supported: 100 rel a	ınd pı	recondition		
	a = line (PIXIT)				
	b = line (PIXIT)				
	m = line (PIXIT)				
Comments:					
	SIP		SUT		ISDN
	a) Without SDP pre-condition	<u> </u>	1 00.		10511
	a) Without SDI pre-condition	<del> </del>  →	INVITE	<b>→</b>	SETUP ALERT PI#1("Call is
		7	IIIVIIE	7	
					not end-to-end ISDN: further
					call progress information may
					be available in-band")
		+	100 Trying		
				+	CALL PROC
		+	180 Ringing	+	ALERT
	CON	+	200 OK INVITE	+	CON
		<b>→</b>	ACK		
		<del>                                     </del>	71011		
	DICC	_	DVE	_	DICC
	DISC	<u>+</u>	BYE	<del>(</del>	DISC
	REL	<b>→</b>	200 OK BYE	<b>→</b>	REL
	b) SDP pre-condition met		_		
	SETUP	→			
		+	INVITE SDP		
		<b>←</b>	100 Trying		
		<b>→</b>	183 Session	Ì	
			Progress SDP		
		+	PRACK	1	
		<b>→</b>	200 OK	+	
			(PRACK)	1	
		1		1	
		+	UPDATE		CETUD DI#4/#0-# :
			200 OK	<b>→</b>	SETUP PI#1("Call is not end-
			(UPDATE)		to-end ISDN: further call
				1	progress information may be
					available in-band")
		<b>←</b>		<b>←</b>	ALERT
	ALERT	+	180 Ringing	<b>←</b>	CON
	CON	<b>→</b>	200 OK INVITE		
		1	ACK		
		+		+	DISC
	DISC	<b>→</b>	BYE	<b>→</b>	REL
		+		+	IXLL
	REL	1	200 OK BYE	1	

## 6.2.1.4 Successful - UDI/TA

Successful	
UDI/TA	

110401	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110401	
Selection criteria:			
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly		
Parameter values:	BC = UDI/TA, no HLC	BC = UDI/TA, no HLC	
Comments:			

110402	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	ISDN-ISDN/Basic_call/Successful/UDI-TA/110402	
Selection criteria:			
Test purpose:	Ensure that call establishment using overlap sending is performed correctly		
Parameter values:	BC = UDI/TA, no HLC		
Comments:			

110403	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110403
Selection criteria:		
Test purpose:	Ensure that the call clearing proced	dure is performed correctly when the calling user clears
	after answer	
Parameter values:	BC = UDI/TA, no HLC	
Comments:		

110404	ISDN ref. to:	Other relevant ref.:
110404		
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	clauses 5.1 and 5.2	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
	5.2	ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110404
Selection criteria:		
Test purpose:	Ensure that the call clearing proced	dure is performed correctly when the called user clears
	after answer	·
Parameter values:	BC = UDI/TA, no HLC	
Comments:		

110405	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.4	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110405	
Selection criteria:	Telephony UDI-TA teleservice		
Test purpose:	Support of telephony UDI-TA teles	ervice: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user.		
Parameter values:	BC = UDI/TA, HLC = telephony		
Comments:	telephony 7 kHz fallback not allowed SETUP message: A SETUP message containing a single BC = UDI/TA and a single HLC = telephony		

440400	IODN ( t	Oth a mala material	
110406	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110406	
Selection criteria:	Videotelephony teleservice		
Test purpose:	Support of videotelephony telesery	ice: Ensure that the HLC information is transported	
	transparently through the network and correctly delivered to the called user.		
Parameter values:	BC = UDI/TA, HLC = videotelephony_ic		
Comments:	videotelephony fallback not allowed SETUP message: A SETUP message containing a		
	single BC = UDI/TA and a single HLC = videotelephony_ic		

110407	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110407	
Selection criteria:	<ul> <li>Telephony UDI-TA teleservi</li> </ul>	ce.	
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:	Support of telephony UDI-TA teleservice: Ensure that a telephony 7 kHz fallback allowed		
		insparently through the network and on receipt of a	
		ng a BC assumes that the fallback to the telephony 3,1	
	kHz teleservice has occurred.		
Parameter values:	! SETUP ? CONNECT		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:		I SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech and	d the second BC = UDI/TA, a HLC = telephony	

110408	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110408	
Selection criteria:	- Telephony UDI-TA teleservice.		
	<ul> <li>Fallback allowed</li> </ul>		
Test purpose:	Support of telephony UDI-TA teleservice: Ensure that a telephony 7 kHz fallback allowed		
	SETUP message is transported transparently through the network and on receipt of a		
		BC = speech assumes that the fallback to the	
	telephony 3,1 kHz teleservice has	occurred.	
Parameter values:	! SETUP ? CONNECT		
	BC1 = speech BC = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:		SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech and	d the second BC = UDI/TA, a HLC = telephony	

	ı	
110409	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110409
Selection criteria:	<ul> <li>Telephony UDI-TA teleservi</li> </ul>	ce.
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Support of telephony UDI-TA teles	ervice: Ensure that a telephony 7 kHz fallback allowed
		nsparently through the network and on receipt of a
	CONNECT message, containing a	BC = UDI/TA assumes that the fallback has not
	occurred.	
Parameter values:	! SETUP ? CONNECT	
	BC1 = speech UDI with TA	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		SETUP message: A SETUP message containing two
	BCs, with the first BC = speech and	d the second BC = UDI/TA, a HLC = telephony

110410	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110410	
Selection criteria:	<ul> <li>Telephony UDI-TA teleservi</li> </ul>	ce.	
	<ul> <li>Fallback allowed.</li> </ul>		
	<ul> <li>T reference point at the des</li> </ul>	tination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:		
	Ensure that a telephony 7 kHz fallback allowed SETUP message is transported		
		and on receipt of a CALL PROCEEDING message	
	containing a PI = #5 and a BC = sp	eech assumes that the fallback to the telephony	
	3,1 kHz teleservice has occured.		
Parameter values:	! SETUP ? CALL PRO	CEEDING	
	BC1 = speech BC = speech		
	BC2 = UDI with TA $PI = #5$		
	HLC = telephony		
Comments:		SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech and	d the second BC = UDI/TA, a HLC = telephony	

110411	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
		ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/		
Selection criteria:	- Telephony UDI-TA teleservi	ce.	
	- Fallback allowed.		
	- T reference point at the destination interface.		
Test purpose:	Support of telephony UDI-TA teleservice:		
	Ensure that a telephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt of a CALL PROCEEDING message		
	followed by a PROGRESS message containing a PI = #5 and a BC = speech assumes		
	that the fallback to the telephony 3,1 kHz teleservice has occured.		
Parameter values:	! SETUP ? PROGRES	S	
	BC1 = speech BC = speech		
	BC2 = UDI with TA PI = #5		
	HLC = telephony		
Comments:	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two		
	BCs, with the first BC = speech and	d the second BC = UDI/TA, a HLC = telephony	

110412	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110412	
Selection criteria:	- Telephony UDI-TA teleservi	ce.	
	<ul> <li>Fallback allowed.</li> </ul>		
	<ul> <li>T reference point at the des</li> </ul>	tination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:		
	Ensure that a telephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt of an ALERTING message containing a		
	PI = #5 and a BC = speech assumes that the fallback to the telephony 3,1 kHz teleservice		
	has occurred.		
Parameter values:	! SETUP ? ALERT		
	BC1 = speech BC = speech		
	BC2 = UDI with TA PI = #5		
	HLC = telephony		
Comments:	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two		
	BCs, with the first BC = speech and	d the second BC = UDI/TA, a HLC = telephony	

110413	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/		
Selection criteria:	<ul> <li>Videotelephony teleservice.</li> </ul>		
	- Fallback allowed.		
Test purpose:	Support of videotelephony telesery	ice:	
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt of a CONNECT message, containing a		
	BC = UDI/TA and a HLC = videotelephony_ic assumes that fallback has not occurred.		
Parameter values:	! SETUP ? CONNECT		
	BC1 = speech BC = UDI with	n TA	
	BC2 = UDI with TA HLC = videote		
	HLC1 = telephony		
	HLC2 = videotelephony_ic		
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message		
	containing two BCs, with the first BC = speech and the second BC = UDI/TA, and two		
	HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not		
	containing a LLC.	. ,	

110414	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110414	
Selection criteria:	<ul> <li>Videotelephony teleservice.</li> </ul>		
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:	Support of videotelephony teleservice:		
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt of a CONNECT message, containing a		
	BC = UDI/TA and a HLC = telephony assumes that fallback to telephony 7 kHz has		
	occurred.		
Parameter values:	! SETUP ? CONNECT		
	BC1 = speech BC = UDI with		
	BC2 = UDI with TA HLC = teleph	ony	
	HLC1 = telephony		
	HLC2 = videotelephony_ic		
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message		
	containing two BCs, with the first BC = speech and the second BC = UDI/TA, and two		
		nd the second HLC = videotelephony_ic and not	
	containing a LLC.		

110415	ISDN ref. to:  ETSI EN 300 403-1 [1], clauses 5.1 and 5.2  ITU-T Q.931 [38], clauses 5.1 and 5.2  ITU-T Q.1912.5 [35], clauses 5.1 and ETSI EN 383 001 [36], clauses 5.2	clauses 2.1.1 and 3.1.1 s 2.1.1 and 3.1.1 uses 6.2 and 7.1 auses 7,1 and 6.2
	ETSI TS 183 036 [42], cla	auses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110415	
Selection criteria:	<ul><li>Videotelephony teleservice.</li><li>Fallback allowed.</li></ul>	
Test purpose:	Support of videotelephony teleservice: Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported transparently through the network and on receipt of a CONNECT message, containing a BC = speech and a HLC = telephony assumes that fallback to telephony 3,1 kHz has occurred.	
Parameter values:	! SETUP ? CONNECT  BC1 = speech BC = speech  BC2 = UDI with TA HLC = telephony  HLC1 = telephony  HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

110416	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	ITU-T Q.931 [38], clauses 5.1 and	ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	5.2	ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		ETSI EN 383 001 [36], clauses 7,1 and 6.2	
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2	
		ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110416	
Selection criteria:	<ul> <li>Videotelephony teleservice.</li> </ul>		
	<ul> <li>Fallback allowed.</li> </ul>		
	<ul> <li>T reference point at the des</li> </ul>	tination interface.	
Test purpose:	Support of videotelephony teleserv	ice:	
	Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported		
	transparently through the network and on receipt A CALL PROCEEDING message		
	containing a PI = #5 and a BC = speech, and a HLC = Telephony or no assumes that		
	fallback to telephony 3,1 kHz has occurred.		
Parameter values:	! SETUP ? CALL PROCEEDING		
	BC1 = speech BC = speech		
	BC2 = UDI with TA HLC = telepho	ony	
	HLC1 = telephony PI = #5		
	HLC2 = videotelephony_ic		
	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message		
		C = speech and the second BC = UDI/TA, and two	
	HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not		
	containing a LLC.		

110417	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 303 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2 ETSI TS 129 163 [40], clauses 7.2.3.1 and 7 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1	7.2.3.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110417	
Selection criteria:	<ul> <li>Videotelephony teleservice.</li> <li>Fallback allowed.</li> <li>T reference point at the destination interface.</li> </ul>	
Test purpose:	Support of videotelephony teleservice: Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported transparently through the network and on receipt o CALL PROCEEDING followed by a PROGRESS message containing a PI = #5 and a BC = speech, and a HLC = Telephony or no assumes that fallback to telephony 3,1 kHz has occurred.	
Parameter values:	! SETUP ? PROGRESS  BC1 = speech BC = speech  BC2 = UDI with TA HLC = telephony  HLC1 = telephony PI = #5  HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

110418	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 ETSI EN 383 001 [36], clauses 7,1 and 6.2
		ETSI TS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/	UDI-TA/110418
Selection criteria:	<ul> <li>Videotelephony teleservice.</li> <li>Fallback allowed.</li> <li>T reference point at the destination interface.</li> </ul>	
Test purpose:	Support of videotelephony teleservice: Ensure that a videotelephony 7 kHz fallback allowed SETUP message is transported transparently through the network and on receipt on a ALERTING message containing a PI = #5 and a BC = speech, and a HLC = Telephony or no assumes that fallback to telephony 3,1 kHz has occurred.	
Parameter values:	! SETUP ? ALERT BC1 = speech BC = speech BC2 = UDI with TA HLC = telephony HLC1 = telephony PI = #5 HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

## 6.2.1.5 Unsuccessful- Speech

Unsuc	ccessful
Sp	eech

120101	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1 and	
	5.2	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120101	
Selection criteria:		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the calling user with cause value #1 "unassigned number"	
Parameter values:	BC = speech	
Comments:		

120102	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120102	
Selection criteria:		
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network transport the cause value to the calling user	
Parameter values:	BC = speech	
Comments:		

120103	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120103	
Selection criteria:		
Test purpose:	Ensure that when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding"	
Parameter values:	BC = speech	
Comments:		

120104	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120104	
Selection criteria:		
Test purpose:		he called user (but user alerted), the network initiate called user with cause value #19 "no user responding
Parameter values:	BC = speech	
Comments:		

120105	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120105	
Selection criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user	
Parameter values:	BC = speech	
Comments:		

120106	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120106	
Selection criteria:		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user with cause value #27 "destination out of order"	
Parameter values:	BC = speech	
Comments:		

120107	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120107	
Selection criteria:		·
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE COMPLETE message indicating cause value #88 "called user not compatible", the network transport the cause value to the calling user	
Parameter values:	BC = speech	
Comments:		

120108	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120108	
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = speech	
Comments:		

120109	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant ref.:	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120109		
Selection criteria:	Point-to-point configuration for the	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user		
Parameter values:	BC = speech		
Comments:			

## 6.2.1.6 Unsuccessful - UDI

Unsuccessful	
UDI	

120201	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1, 5.2	
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120201	
Selection criteria:		
Test purpose:	Ensure that, when calling to unalloc	cated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned number"	
Parameter values:	BC = UDI	
Comments:		

120202	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1, 5.2	
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120202	
Selection criteria:		
Test purpose:		s busy and responds with a RELEASE COMPLETE 7 "user busy", the network transport the cause value
Parameter values:	BC = UDI	
Comments:		

120203	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120203	
Selection criteria:		
Test purpose:	Ensure that, when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding"	
Parameter values:	BC = UDI	
Comments:		

120204	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120204	
Selection criteria:		
Test purpose:		he called user (but user alerted), the network initiate called user with cause value #19 "no user responding
Parameter values:	BC = UDI	
Comments:		

120205	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120205	
Selection criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user	
Parameter values:	BC = UDI	
Comments:		

120206	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120206	
Selection criteria:		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user with cause value #27 "destination out of order"	
Parameter values:	BC = UDI	
Comments:		

120207	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1, 5.2	
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120207	
Selection criteria:		
Test purpose:	Ensure that when the called user is	not compatible and responds with a RELEASE
	COMPLETE message indicating ca	ause value #88 "called user not compatible", the
	network transport the cause value to the calling user	
Parameter values:	BC = UDI	
Comments:		

120208	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1, 5.2	
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120208	
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = UDI	
Comments:		

120209	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1, 5.2	
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120209	
Selection criteria:	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"	
	before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = UDI	
Comments:		

## 6.2.1.7 Unsuccessful- Audio

Unsuccessful	
3,1 kHz audio	

120301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38], clauses 5.1, 5.2	
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120301	
Selection criteria:		
Test purpose:	Ensure that, when calling to unallo	cated number, the network initiate call clearing to the
	calling user with cause value #1 "unassigned number"	
Parameter values:	BC = 3,1 kHz audio	-
Comments:		

120302	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120302	
Selection criteria:		
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network transport the cause value to the calling user	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120303	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120303	
Selection criteria:		
Test purpose:	Ensure that, when the called user is not responding, the network initiate call clearing to the calling user with cause value #18 "no user responding"	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120304	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120304	
Selection criteria:		
Test purpose:		the called user (but user alerted), the network initiate called user with cause value #19 "no user responding
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120305	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120305	
Selection criteria:		
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE COMPLETE message indicating cause value #21 "call rejected", the network transport the cause value to the calling user	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120306	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120306	
Selection criteria:		
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user with cause value #27 "destination out of order"	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120307	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	ITU-T Q.931 [38], clauses 5.1, 5.2		
	and 5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessf	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120307	
Selection criteria:			
Test purpose:	Ensure that when the called user is	not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "called user not compatible", the		
	network transport the cause value to the calling user		
Parameter values:	BC = 3,1 kHz audio		
Comments:			

120308	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2	Other relevant ref.:
	and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120308	
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

120309	ISDN ref. to: ETSI EN 300 403-1 [1],	Other relevant ref.:
	clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120309	
Selection criteria:	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network transport the cause value to the called user	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

## 6.2.1.8 Unsuccessful - UDI-TA

Unsuccessful	
UDI/TA	

120401	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120401	
Selection criteria:		
Test purpose:		cated number, the network initiate call clearing to the CT message containing a PI#8 and the cause value #1
Parameter values:	BC = UDI/TA	
Comments:		

120402	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessfu	ul/UDI-TA/120402
Selection criteria:		
Test purpose:	message indicating cause value #1	s busy and responds with a RELEASE COMPLETE 7 "user busy", the network initiate call clearing to the CT message containing a PI#8 and the cause #17
Parameter values:	BC = UDI/TA	
Comments:		

120403	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120403	
Selection criteria:		
Test purpose:		s not responding, the network initiate call clearing to
	the calling user sending a DISCONNECT message containing a PI#8 and cause value	
	#18 "no user responding"	
Parameter values:	BC = UDI/TA	
Comments:		

120404	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant ref.:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120404	
Selection criteria:		
Test purpose:	call clearing sending a DISCONNE	he called user (but user alerted), the network initiate CT message containing a PI#8 and to the calling user 19 "no user responding (user alerted)"
Parameter values:	BC = UDI/TA	
Comments:		

120405	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccess	ful/UDI-TA/120405
Selection criteria:		
Test purpose:	COMPLETE message indicating c	ejects the call and responds with a RELEASE ause value #21 "call rejected", the network initiate call g a DISCONNECT message containing a PI#8 and the the calling user
Parameter values:	BC = UDI/TA	
Comments:		

120406	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120406	
Selection criteria:		
Test purpose:		erminal is not connected, the network initiate call a DISCONNECT message containing a PI#8 and the f order"
Parameter values:	BC = UDI/TA	
Comments:		

120407	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	ITU-T Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120407	
Selection criteria:		
Test purpose:		not compatible and responds with a RELEASE ause value #88 "called user not compatible", the to the calling user
Parameter values:	BC = UDI/TA	<u> </u>
Comments:		

120408	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 ITU-T Q.931 [38],	Other relevant ref.:
TSS reference:	clauses 5.1, 5.2 and 5.3 ISDN-ISDN/Basic_call/Unsuccessful	 ul/UDI-TA/120408
Selection criteria:	Multipoint configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from called user, the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #16 "normal call clearing" to the called user.	
Parameter values:	BC = UDI/TA	
Comments:		

120409	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	ITU-T Q.931 [38],		
	clauses 5.1, 5.2 and 5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsucce	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120409	
Selection criteria:	Point-to-point configuration for	Point-to-point configuration for the called side	
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"		
	before answer from called user, the network initiate call clearing to the calling user		
	sending a DISCONNECT message containing a PI#8 and the cause value #16 "normal		
	call clearing" to the called user.		
Parameter values:	BC = UDI/TA		
Comments:			

# 6.2.2 Test purposes for ISDN-ISDN, Supplementary services

## 6.2.2.1 CLIP

210101	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210101	
Selection criteria:	The called user is provided with CLIP	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number	
	"subscriber number", with Calling party subaddress, the Calling party number and Calling	
	party subaddress information elements are correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:		

210102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210102	
Selection criteria:	The called user is provided with CLIP.	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number	
	"national number", with Calling party subaddress, the Calling party number and Calling	
	party subaddress information elements are correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = intern	ational (or N = unknown)
Comments:		

210103	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CLIP/210103	
Selection criteria:	The called user is provided with CLIP.		
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number "international number", with Calling party subaddress, the Calling party number and Calling party subaddress information elements are correctly delivered to the called (served) user.		
Parameter values:	BC = PIXIT, SI = UPVP, N =	international (or N = unknown)	
Comments:			

210104	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210104	
Selection criteria:	The called user is provided with CLIP.	
Test purpose:	Ensure that when Calling party number is provided by the calling user, Type of number	
	"unknown", with Calling party subaddress, the Calling party number and Calling party	
	subaddress information elements are correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:		

210105	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210105	
Selection criteria:	The called user is provided with CLIP.	
Test purpose:	Ensure that when no Calling party number information element is provided by the calling	
	user, (and no Calling party subaddress), the Calling party number information element is	
	network provided and correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, SI = NP, N = international (or N = unknown)	
Comments:		

210106	ISDN ref. to: ETSI EN 300 092-1 [3], clause 9.3	Other relevant ref.: ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11 ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3 ITU-T Q.1912.5 [35], annex B.1 ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_ser	vices/CLIP/210106
Selection criteria:	<ul><li>The called user is provid</li><li>Special arrangement app</li></ul>	
Test purpose:	Ensure that when a special arrangement applies and a Calling party number information element and a valid calling number is provided by the calling user, the Calling party number information element with the calling number, presentation is allowed and the screening indicator is set to "user-provided, not screened" immediately followed by a second Calling party number information element with the default number of the access of the calling user, the screening indicator is set to "network-provided" are delivered to the called (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

210107	ISDN ref. to:	Other relevant ref.:	
210107	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CLIP/210107	
Selection criteria:	<ul> <li>The called user is pro</li> </ul>	- The called user is provided with CLIP.	
	<ul> <li>Special arrangement</li> </ul>	applies.	
Test purpose:	Ensure that when a special a	Ensure that when a special arrangement applies and a Calling party subaddress	
		information element is provided by the calling user, the Calling party number information	
		element with the default number of the access of the calling user, the screening indicator	
	is set to "network-provided, v	is set to "network-provided, with the Calling party subaddress information element are	
	delivered to the called (served) user.		
Parameter values:	BC = PIXIT		
Comments:			

210108	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
TSS reference:	ISDN-ISDN/Supplementary_services/CLIP/210108	
Selection criteria:	- The called user is provided with CLIP.	
	- Special arrangement applies.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and no Calling party number	
	information element is provided by the calling user, the Calling party number information	
	element the with the default number of the access of the calling user, the screening	
	indicator is set to "network-provided is delivered to the called (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

210109	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
TSS reference:	ISDN-ISDN/Supplementary_service	ISDN-ISDN/Supplementary_services/CLIP/210109	
Selection criteria:	- The called user is provided with CLIP and the two delivery option does not apply;		
	<ul> <li>Special arrangement applie</li> </ul>	es.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and a Calling party number		
		alling number is provided by the calling user, the Calling	
	party number information element with the calling number, presentation is allowed and		
	the screening indicator is set to "user-provided, not screened" is delivered to the called		
	(served) user.		
Parameter values:	BC = PIXIT		
Comments:			

### 6.2.2.2 CLIR

210201	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-ISDN/Supplementary_services/CLIR/210201	
Selection criteria:	The calling user is provided with CLIR permanent mode subscription, the called user with CLIP.	
Test purpose:	Ensure that when the Calling party number is provided by the calling user, with Calling	
	party subaddress, the Calling party number information element is delivered to the called	
	user without any digit information. The Calling party subaddress shall not be present	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210202	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.4.1	ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		ITU-T Q.1912.5 [35], annex B.1	
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1	
		ETSI EN 300 092-1 [3], clause A.2 figure 2	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CLIR/210202	
Selection criteria:	The calling user is provided v	The calling user is provided with CLIR permanent mode subscription, the called user with CLIP.	
Test purpose:		Ensure that when no Calling party number is provided by the calling user (and no Calling	
		party subaddress), the Calling party number information element is network provided and	
	delivered to the called user w	delivered to the called user without any digit information.	
Parameter values:	BC = PIXIT, PI = PR, SI = NF	P, N = unknown, NPI = unknown	
Comments:			

210203	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		ITU-T Q.1912.5 [35], annex B.1
		ETSI TS 129 163 [40], clauses 7.4.1 and 7.5.1
		ETSI EN 300 092-1 [3], clause A.2 figure 2
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CLIR/210203
Selection criteria:	- The calling user is provided with CLIR temporary mode subscription.	
	- The called user is provided with CLIP.	
	<ul> <li>Special arrangement applie</li> </ul>	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and a Calling party number	
	information element and a valid calling number with presentation in not allowed is	
	provided by the calling user, the Calling party number information element with the	
	presentation indicator set to "presentation restricted", the screening indicator is set to	
	"network-provided" is delivered to the called user.	
Parameter values:	BC = PIXIT	
Comments:		

### 6.2.2.3 COLP

210301	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clause 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/COLP/210301	
Selection criteria:	The calling user is provided w	The calling user is provided with COLP.	
Test purpose:	Ensure that when the Connec	ted number is provided by the called user, Type of number	
	"subscriber number", with Cor	nnected subaddress, the Connected number and Connected	
	subaddress information elements are correctly delivered to the calling (served) user.		
Parameter values:	BC = PIXIT, SI = UPVP, N = i	nternational (or N = unknown)	
Comments:			

210302	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clause 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLP/210302	
Selection criteria:	The calling user is provided with COLP.	
Test purpose:	Ensure that when the Connected number is provided by the called user, Type of number	
	"national number", with Connected subaddress, the Connected number and Connected	
	subaddress information elements are correctly delivered to the calling (served) user.	
Parameter values:	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:		

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210303	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_servi	ISDN-ISDN/Supplementary_services/COLP/210303	
Selection criteria:	The calling user is provided with COLP.		
Test purpose:	Ensure that when the Connected number is provided by the called user, Type of number "international number", with Connected subaddress, the Connected number and Connected subaddress information elements are correctly delivered to the calling (served) user.		
Parameter values:	BC = PIXIT, SI = UPVP, N = inter	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:			

210304	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_service	ISDN-ISDN/Supplementary_services/COLP/210304	
Selection criteria:	The calling user is provided with COLP.		
Test purpose:	Ensure that when the Connected number is provided by the called user, Type of number "unknown", with Connected subaddress, the Connected number information element with the with the Screening indicator value "user provided" and Connected subaddress information element correctly delivered to the calling (served) user.		
Parameter values:	BC = PIXIT, SI = UPVP, N = international	ational (or N = unknown)	
Comments:			

210305	ISDN ref. to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.2 ITU-T Q.1912.5 [35], annex B.2 ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLP/210305	
Selection criteria:	Calling user is provided with COLP.	
Test purpose:	Ensure that when no Connected number is provided by the called user (and no Connected subaddress), the Connected number information element is network provided and correctly delivered to the calling (served) user.	
Parameter values:	BC = PIXIT, SI = NP, N = international (or N = unknown)	
Comments:		

210306	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/COLP/210306	
Selection criteria:	Calling user is provided with	Calling user is provided with COLP.	
Test purpose:		ct Connected number is provided by the called user (and no	
	Connected subaddress), the	Connected number information element is network provided	
	and correctly delivered to the calling (served) user.		
Parameter values:	BC = PIXIT, SI = NP, N = inte	BC = PIXIT, SI = NP, N = international (or N = unknown)	
Comments:			

210307	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	services/COLP/210307	
Selection criteria:	<ul> <li>Calling user is provide</li> </ul>	- Calling user is provided with COLP.	
	<ul> <li>Special arrangement a</li> </ul>	applies.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when a Connected number with a Screening indicator value is provided by the called user in the CONNECT message, (the Network shall discard the Screening indicator value), the Connected number information element with the Screening indicator value "user-provided, not screened" is delivered to the calling user.		
Parameter values:			
Comments:			

210308	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_	services/COLP/210308
Selection criteria:	<ul> <li>Calling user is provide</li> </ul>	ed with COLP;
	<ul> <li>Special arrangement</li> </ul>	applies.
Test purpose:	the Type of number coded or provided by the called user in Connected number informati	arrangement applies and when a Connected number with ther than "national number" or "international number" is in the CONNECT message, (the Network shall discard the on element), the Connected number information element with a "network provided" is delivered to the calling (served) user.
Parameter values:		
Comments:		

210309	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_service	es/COLP/210309
Selection criteria:	- Calling user is provided with COLP.	
	<ul> <li>Special arrangement applies</li> </ul>	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when no Connected number is provided by the called user in the CONNECT message, the Connected number information element with the Screening indicator value "network provided" is delivered to the calling (served) user.	
Parameter values:	BC = PIXIT, SI = NP,	
Comments:		

210310	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_s	services/COLP/210310	
Selection criteria:	<ul> <li>Calling user is provide</li> </ul>	- Calling user is provided with COLP.	
	- Special arrangement applies.		
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when a Connected number information element and a Connected subaddress information element is provided by the called user in the CONNECT message, the Connected number information element with the Screening indicator value "user-provided, not screened" and a Connected subaddress information element is delivered to the calling (served) user.		
Parameter values:	BC = PIXIT		
Comments:			

#### 6.2.2.4 COLR

210401	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 098-1 [6],	ETSI ETS 300 097-1/A1 [22], clause 1, figure 4
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2
		ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_services/COLR/210401	
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling	
	user with COLP.	
Test purpose:	Ensure that when the Connected number is provided by the called user, with Connected	
	subaddress, the Connected number information element is delivered to the calling user	
	without any digit information. The Connected subaddress shall not be present	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210402	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 098-1 [6],	ETSI ETS 300 097-1/A1 [22], figure 4	
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2	
		ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services /COLR/210402	
Selection criteria:	The called (served) user is p	The called (served) user is provided with COLR permanent mode subscription, the calling	
	user with COLP		
Test purpose:		Ensure that when no Connected number is provided by the called user (and no	
	Connected subaddress), the Connected number information element is network provided		
	and delivered to the calling user without any digit information.		
Parameter values:	BC = PIXIT, PI = PR, SI = NI	P, N = unknown, NPI = unknown	
Comments:			

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210403	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 098-1 [6],	ETSI ETS 300 097-1/A1 [22], figure 4	
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2	
		ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services /COLR/210403	
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.		
Test purpose:	Ensure that when no Connected number is provided by the called user, with Connected subaddress, the Connected number and Connected subaddress information elements are correctly delivered to the calling user.		
Parameter values:	BC = PIXIT, PI = PR, SI = NF	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:			

210404	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 098-1 [6],	ETSI ETS 300 097-1/A1 [22], figure 4	
	clauses 9.3.1 and 9.4.1	ETSI TS 183 036 [42], clause 5.2.2	
		ITU-T Q.1912.5 [35], annex B.2	
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2	
TSS reference:	ISDN-ISDN/Supplementary_	services/COLR/210404	
Selection criteria:	The called (served) user is p	The called (served) user is provided with COLR permanent mode subscription, the calling	
	user with COLP.		
Test purpose:	Ensure that when a special	Ensure that when a <b>special arrangement applies</b> and when no Connected number is	
	provided by the called user in	provided by the called user in the CONNECT message, the Connected number	
	information element with Presentation indicator value "presentation restricted" and without		
	connected party number is delivered to the calling (served) user.		
Parameter values:	BC = PIXIT	-	
Comments:			

210405	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 098-1 [6],	ETSI ETS 300 097-1/A1 [22], clause 1, figure 4
	clauses 9.3.1 and 9.4.11	ETSI TS 183 036 [42], clause 5.2.2
		ITU-T Q.1912.5 [35], annex B.2
		ETSI TS 129 163 [40], clauses 7.4.2 and 7.5.2
TSS reference:	ISDN-ISDN/Supplementary_service	es/COLR/210404
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.	
Test purpose:	Ensure that when a <b>special arrangement applies</b> and when the Connected number with the Presentation indicator "presentation restricted" is provided by the called user in the CONNECT message, the Connected number information element with Presentation indicator value "presentation restricted" and without connected party number is delivered to the calling (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

### 6.2.2.5 CUG

210501	ISDN ref. to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.9 ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	Orign.:CUG supplementary options: not OA; not ocb; not Pref. CUG Term.: calling user and called user belong to the same CUG; CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
Parameter values:	BC = PIXIT; Facility IE with cUGCa - OARequested set to TRU - CUG Index included	
Comments:		

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210502	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/CUG/210502
Selection criteria:	Orign.: The calling user belongs to a CUG with the following CUG supplementary options: OA; not ocb; not Pref. CUG	
	Term.: The called user belongs to options: IA; not ICB	to the same CUG with the following CUG supplementary
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
Parameter values:	BC = PIXIT; Facility IE with cUG - OARequested set to TF - CUG Index included	
Comments:		

210503	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CUG/210503
Selection criteria:	Orign.: The calling user belongs to	a CUG with the following CUG
	supplementary options: OA; not or	
	Term.: The called user belongs to	the same CUG with the following CUG
	supplementary options: IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value  # 29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component:	
	- OARequested set to TRI	UE
	- CUG Index included	
Comments:		

210504	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CUG/210504
Selection criteria:	Orign.: The calling user belongs to	a CUG with the following CUG
	supplementary options: OA; not or	cb; not Pref. CUG
		the same CUG with the following CUG
	supplementary options: IA; not ICE	3
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index not included, the	
	called user receives a SETUP mes	
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component:	
	<ul> <li>OARequested set to TRU</li> </ul>	E
	<ul> <li>CUG Index not included</li> </ul>	
Comments:		

210505	ISDN ref. to:	Other relevant ref.:
210303		
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:	Orign.: The calling user belongs to	
	supplementary options: OA; not or	cb; not Pref. CUG
	Term.: The called user is not a CUG subscriber	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not	
	outgoing calls barred within the CUG and not preferential CUG and the called user	
	belongs to the same CUG with incoming access allowed and not incoming calls barred	
	within the CUG, after the receipt of a SETUP message with a Facility IE containing a	
	cUGCall invoke component with OARequested set to TRUE, CUG Index not included, the	
	called user receives a SETUP message.	
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component:	
	<ul> <li>OARequested set to TRU</li> </ul>	E
	<ul> <li>CUG Index not included</li> </ul>	
Comments:		

210506	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CUG/210506
Selection criteria:	Orign.: The calling user belongs to	a CUG with the following CUG
	supplementary options: OA; not o	cb; not Pref. CUG
	Term.: The called user is not a CU	G subscriber
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "userNotMemberOfCUG".	
Parameter values:	BC = PIXIT; Facility IE with cUGCa - OARequested set to TRU - CUG Index included	•
Comments:		

210507	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9	
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_	services/CUG/210507	
Selection criteria:	Orign.: Calling user is not me	Orign.: Calling user is not member of CUG	
	Term.: The called user belon	Term.: The called user belongs to CUG with the following CUG supplementary	
	options: not IA; not ICB		
Test purpose:	Ensure that when the calling user has not subscribed to the CUG and the called user		
		ing access not allowed and not incoming calls barred within	
	the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall		
	invoke component the network initiate call clearing to the calling user with cause value #		
	"87 user not a member of CL	IG".	
Parameter values:			
Comments:			

210508	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_	services/CUG/210508
Selection criteria:		ngs to a CUG with the following CUG
	supplementary options: not	
	Term.: The called user is not	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to a CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to TRUE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".	
Parameter values:	BC = PIXIT; Facility IE with a - OARequested set to - CUG Index included	o TRUE
Comments:		

210509	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9	
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_s	services/CUG/210509	
Selection criteria:	o o	Orign.: The calling user belongs to a CUG with the following CUG supplementary options: OA; not ocb; not Pref. CUG	
	Term.: The called user belongs to the same CUG with the following CUG supplementary options: not IA; ICB		
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access is not allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incoming CallsBarredWithinCUG"		
Parameter values:	BC = PIXIT; Facility IE with cl - OARequested set to - CUG Index included	FALSE	
Comments:			

210510	ISDN ref. to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.9 ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	es/CUG/210510
Selection criteria:	Orign.: The calling user belongs to a CUG with the following CUG supplementary options: OA; not ocb; not Pref. CUG Term.: The called user belongs to the same CUG with the following CUG supplementary options: IA; ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value # 29 "Facility rejected", return error value "incoming CallsBarredWithinCUG".	
Parameter values:	BC = PIXIT; Facility IE with cUGCa - OARequested set to FAL - CUG Index included	all invoke component:
Comments:		

210511	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:	Orign.: CUG supplementary option	
	Term.: Calling user and called user	
	CUG supplementary options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, the called user receives a SETUP message with a Facility IE which contains a CUG index associated with the invoked CUG.	
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component:  - OARequested set to FALSE - CUG Index included	
Comments:		

210512	ISDN ref. to: ETSI EN 300 138-1 [7],	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:		s: not OA; not OCB; not Pref. CUG
	Term.: Calling user not member of	the same CUG with the following CUG
	supplementary options: IA; not ICB	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".	
Parameter values:	BC = PIXIT; Facility IE with cUGCa - OARequested set to FAL: - CUG Index included	
Comments:		

210513	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_service	es/CUG/210513
Selection criteria:	Orign.: CUG supplementary options	
	Term.: Calling user not member of	the same CUG with the following CUG
	supplementary options: IA; not ICB	_
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to the same CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call	
	establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".	
Parameter values:	BC = PIXIT; Facility IE with cUGCa - OARequested set to FALS - CUG Index included	•
Comments:		

210514	ISDN ref. to:	Other relevant ref.:
210514		
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_s	services/CUG/210514
Selection criteria:		ptions: OA; not OCB; not Pref. CUG
		er of the same CUG with the following CUG
	supplementary options: not IA	x; not ICB
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, not outgoing calls barred within the CUG and not preferential CUG and the called user belongs not to the same CUG with incoming access not allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message with a Facility IE containing a cUGCall invoke component with OARequested set to FALSE, CUG Index included, call establishment is not possible and the network initiate call clearing to the calling user with clause value 29 "Facility rejected", return error value "userNotMemberOfCUG".	
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component:	
aramotor valuos.	- OARequested set to	
	- CUG Index included	
Comments:		

210515	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI TS 183 036 [42], clause 5.2.9	
	clauses 9.2.2 and 9.2.4	ITU-T Q.1912.5 [35], annex B.16	
		ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_	services/CUG/210515	
Selection criteria:	Orign.: Calling user is not me	mber of CUG	
	Term.: The called user belon	Term.: The called user belongs to CUG with the following CUG supplementary	
	options: IA; not ICB		
Test purpose:	belongs to a CUG with incom CUG, after the receipt of a SI	Ensure that when the calling user has not subscribed to the CUG and the called user belongs to a CUG with incoming access allowed and not incoming calls barred within the CUG, after the receipt of a SETUP message without Facility IE containing a cUGCall invoke component the network, the called user receives a SETUP message.	
Parameter values:			
Comments:			

### 6.2.2.6 SUB

210601	ISDN ref. to: ETSI EN 300 061-1 [8], clause 9.2	Other relevant ref.: ETSI EN 300 403-1 [1], clause 4.5.9 ETSI TS 183 036 [42], clause 5.2.8 ITU-T Q.1912.5 [35] annex B.5 ETSI TS 129 163 [40], clause 7.4.5
TSS reference:	ISDN-ISDN/Supplementary_services/SUB/220601	
Selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user, the Called party subaddress is correctly delivered to the called (served) user	
Parameter values:	BC = PIXIT	
Comments:		

210602	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 061-1 [8],	ETSI EN 300 403-1 [1], clause 4.5.9
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.8
		ITU-T Q.1912.5 [35] annex B.5
		ETSI TS 129 163 [40], clause 7.4.5
TSS reference:	ISDN-ISDN/Supplementary_services/SUB/210602	
Selection criteria:	The called (served) user is provided with SUB	
Test purpose:	Ensure that when the Called party subaddress is provided by the calling user with	
	length = minimum, the Called party subaddress is correctly delivered to the called	
	(served) user without any digit information	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.2.7 TP

210701	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 055-1 [9],	ETSI EN 300 403-1 [1], clause 5.6
	clause 9.2.1	ETSI TS 183 036 [42], clause 5.2.12
		ITU-T Q.1912.5 [35], annex B.13
		ETSI TS 129 163 [40], clause 7.4.13
TSS reference:	ISDN-ISDN/Supplementary_services/TP/210701	
Selection criteria:	The calling user has a basic access	
Test purpose:	Ensure that the called user is notified of the call suspension and resumption by the calling	
	user (no call identity is used)	
Parameter values:	BC = speech	
Comments:		

210702	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 055-1 [9],	ETSI EN 300 403-1 [1], clause 5.6
	clause 9.2.1	ETSI TS 183 036 [42], clause 5.2.12
		ITU-T Q.1912.5 [35], annex B.13
		ETSI TS 129 163 [40], clause 7.4.13
TSS reference:	ISDN-ISDN/Supplementary_services/TP/210702	
Selection criteria:	The called user has a basic access	
Test purpose:	Ensure that the calling user is notified of the call suspension and resumption by the called	
	user (no call identity is used)	
Parameter values:	BC = speech	
Comments:		

210703	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 055-1 [9],	ETSI EN 300 403-1 [1], clause 5.6
	clause 9.2.1	ETSI TS 183 036 [42], clause 5.2.12
		ITU-T Q.1912.5 [35], annex B.13
		ETSI TS 129 163 [40], clause 7.4.13
TSS reference:	ISDN-ISDN/Supplementary_services/TP/210703	
Selection criteria:	The calling user has a basic access	
Test purpose:	Ensure that when the call is suspended, with the expiry of timer T307 before the call re-	
	establishment, the network starts call clearing to the (still) active side with cause value	
	#102 "recovery on timer expiry".	
Parameter values:	BC = speech	
Comments:		

### 6.2.2.8 UUS1i

210801	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 4.5.29
	clauses 9.1.1.1 and 9.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210801	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that the network can transport a User-user information element included in the	
	SETUP message sent from the calling user and delivered in the SETUP message sent by	
	the network to the called user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210802	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 4.5.29
		ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210802	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user information element included in the ALERTING message sent from the called user to the calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210803	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 4.5.29
	clause 9.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210803	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user	
	information element included in the CONNECT message sent from the called user to the	
	calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210804	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]	
	clause 9.1.2.2.1a	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_servi	ISDN-ISDN/Supplementary_services/UUS1i/210804	
Selection criteria:	The calling (served) user is provide	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the		
	network can transport a User-user information element included in a call clearing		
	DISCONNECT message sent from the calling user and delivered in the DISCONNECT		
	message sent by the network to the called user.		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

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210805	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]	
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_service	ISDN-ISDN/Supplementary_services/UUS1i/210805	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request		
Test purpose:	Ensure that after implicit activation of UUS1, the network can transport a User-user		
	information element included in premature clearing RELEASE COMPLETE message sent		
	from the called user and delivered in the DISCONNECT message sent by the network to		
	the calling user.		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210806	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.1.1.1	ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210806	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that implicit activation of UUS1 with a User-user information element with the minimum length of three octets (without any user information), included in the SETUP message sent from the calling user, is supported.	
Parameter values:	BC = PIXIT	
Comments:		

210807	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210807	
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activation of UUS1 and with the call in the active state, the	
	network can transport a User-user information element included in a call clearing	
	DISCONNECT message sent from the called user and delivered in the DISCONNECT	
	message sent by the network to the calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210808	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_servic	es/UUS1i/210808
Selection criteria:	The calling (served) user is provided with UUS1 implicit request	
	Multipoint configuration for the called side.	
Test purpose:	Ensure that after implicit activation of UUS1i, the network can transport a User-user	
	information element associated with the highest priority cause included in premature	
	clearing RELEASE COMPLETE messages sent from the called users and delivered in the	
	DISCONNECT message sent by the network to the calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210809	ISDN ref. to:	Other relevant ref.:	
210000	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]	
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/UUS1i/210809	
Selection criteria:	The calling (served) user is p	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that after implicit activation of UUS1i, the network can transport a User-user information element included in a premature clearing DISCONNECT message sent from the called user and delivered in the DISCONNECT message sent by the network to the calling user.		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210810	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]
	clause 9.1.2.2.1b	ETSI TS 183 036 [42], clause 5.2.10.1.1
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1i/210810	
Selection criteria:	orig.: The calling (served) user is provided with UUS1 implicit request	
	term.: UUI1i can be implicitly discarded by the network	
Test purpose:	The requested UUS is not supported in Network B.	
	Verify that implicit activation of UUI1i can be implicitly discarded by the network without	
	disrupting normal call handling.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

## 6.2.2.9 UUS explicit

210831	ISDN ref. to:	Other relevant ref.:	
210001	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1]	
	clause 9.1.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	ervices/UUS1/210831	
Selection criteria:	The calling (served) user is pr	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	Ensure that with the explicit re	Ensure that with the explicit request of UUS1 indicating "preferred"	
		(not-essential), the network can transport a User-user information element included in the	
	SETUP message sent from the	SETUP message sent from the calling user and delivered in the SETUP message sent by	
		the network to the called user and the network can transport a User-user information	
	element included in the CONNECT message sent from the called user to the calling user		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210832	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.2
	clause 9.1.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.2
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1/210831	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	Ensure that with the explicit request of UUS1 indicating "required"	
	(essential), the network can transport a User-user information element included in the	
	SETUP message sent from the calling user and delivered in the SETUP message sent by	
	the network to the called user and the network can transport a User-user information	
	element included in the CONNECT message sent from the called user to the calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210833	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clause 9.1.1.2.2	ITU-T Q.737.1 [23], clause 1.1.5.2.5.2.2	
		ETSI TS 183 036 [42], clause 5.2.10.1.2	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	The calling (served) user is provide		
	The requested UUS is not supported		
Test purpose:		f UUS1 indicating "preferred", the destination network	
		vithout disrupting normal call handling.	
		The calling network shall include a service 1 rejection with the error value	
	"rejectedByNetwork" in the CONNECT message sent to the calling user.		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:	If the network does not understand the explicit service 1 request or the terminating call control does not indicate acceptance or rejection then none of the address complete, call progress, answer, connect or release messages returned to the originating exchange shall include either a service 1 acceptance or rejection. This type of response will be taken as an implicit rejection of service 1.  If the calling network does not receive an explicit service 1 acceptance or rejection either		
	in the alerting or the connect indica shall apply:	ation from the called network, the following procedures	
		ed as "preferred", the calling network shall include a alue "rejectedByNetwork" in the CONNECT message	

210834	ISDN ref. to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant ref.: ETSI EN 300 403-1 [1], clause 7.1.3.6 ITU-T Q.737.1 [23], clause 1.1.5.2.5.2.2 ITU-T Q.699 [24], clause 2.1.2.15.2, table 55 ETSI TS 183 036 [42], clause 5.2.10.1.2
		ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_service	es/UUS1/210834
Selection criteria:	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	Ensure that after explicit request of UUS1 indicating "preferred", the destination network rejects explicit the UUS1 request without disrupting normal call handling.  The calling network shall include a service 1 rejection with the error value "rejectedByUser" in a CALL PROCEEDING, PROGRESS, ALERTING or CONNECT message to the calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:	If the network already has or has obtained the knowledge that the network itself or the called user cannot support service 1 and it was explicitly requested as non-essential, a "service 1 not provided" indication is returned in the user-to-user indicators parameter in the address complete, call progress, answer, connect, or release messages.	

210835	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clause 9.1.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.2	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_service	ces/UUS1/210835	
Selection criteria:	The calling (served) user is provid	ed with UUS1 explicit request.	
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", if the called user rejects		
	the call with a RELEASE COMPLETE message indicating cause value #29 "facility		
	rejected", the network transport the cause value to the calling user. A UUS1 rejection with		
	Error value "rejectedByUser" shall be included in the message.		
	The calling network shall include the cause value and the error value received from the		
		CT message sent to the calling user.	
Parameter values:	BC = PIXIT		
Comments:	If the called user wants to reject the service 1 request, and it was requested as "required",		
		ASE COMPLETE or DISCONNECT message with	
		called network. A service 1 rejection with the error	
	value "rejectedByUser" shall also	be included in the message.	

210836	ISDN ref. to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant ref.: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary service	
Selection criteria:	The calling (served) user is provide	
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", the called network receives an ALERTING message from the called user including an explicit service 1 rejection the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and the error value "rejectedByUser". In addition, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" The calling network shall include the cause value and the error value received from the Called network in the DISCONNECT message sent to the calling user.	
Parameter values:	BC = PIXIT	
Comments:		

210837	ISDN ref. to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant ref.: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_s	
Selection criteria:	The calling (served) user is p	rovided with UUS1 explicit request.
Test purpose:	receives an CONNECT mess rejection the called network s cause #69 "requested facility addition, the called network s "normal, unspecified" The cal	lest of UUS1 indicating "required", the called network sage from the called user including an explicit service 1 shall clear the call towards the calling network indicating not implemented" and the error value "rejectedByUser". In shall send a DISCONNECT message with cause #31 ling network shall include the cause value and the error d network in the DISCONNECT message sent to the calling
Parameter values:	BC = PIXIT	
Comments:		

210838	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6
	clause 9.1.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.2
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_servic	es/UUS1/210838
Selection criteria:	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", if the called network does not receive an explicit service 1 acceptance or rejection either in the ALERTING or in the CONNECT message the called network shall clear the call towards the calling network indicating cause #69 "requested facility not implemented" and a service 1 rejection with the error value "rejectedByUser". The calling network shall include the received cause value and error value in the DISCONNECT message sent to the calling user. Furthermore, the called network shall send a DISCONNECT message with cause #31 "normal, unspecified" to the called user.	
Parameter values:	BC = PIXIT	
Comments:		

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210839	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clause 9.1.1.2.2	ITU-T Q.737.1 [23], clause 1.1.5.2.5.2.2	
		ITU-T Q.699 [24], clause 2.1.2.15.2, table 54	
		ETSI TS 183 036 [42], clause 5.2.10.1.2	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/UUS1/210839	
Selection criteria:	The calling (served) user is p	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	Ensure that after explicit requ	Ensure that after explicit request of UUS1 indicating "required", and the called network	
	already has obtained knowled	already has obtained knowledge that <b>the network itself cannot support</b> service 1 a	
	DISCONNECT message is se	DISCONNECT message is sent with cause value 29, "facility rejected" with the service 1	
		rejection with the error value "rejectedByNetwork".	
Parameter values:	BC = PIXIT		
Comments:			

210840	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6
	clause 9.1.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.2
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1/210840	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "preferred", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the ALERTING message sent to the called network. The called network shall include the error value in the alerting indication sent to the calling network. The calling network shall also include this rejection in the corresponding ALERTING message sent to the calling user.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210841	ISDN ref. to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant ref.: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_servic	ISDN-ISDN/Supplementary_services/UUS1/210841	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request.		
Test purpose:	If the called user wants to reject the service 1 request, and it was requested as "preferred", the called user shall include a service 1 rejection with the error value "rejectedByUser" in the CONNECT message sent to the called network. The called network shall include the error value in the connect indication sent to the calling network. The calling network shall also include this rejection in the corresponding CONNECT message sent to the calling user.		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210851	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.4.4	
	clause 9.2.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.3	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_services/UUS2/210851		
Selection criteria:	- The calling (served) user is provided with UUS2.		
	<ul> <li>Point-to-point configuration</li> </ul>	- Point-to-point configuration for the called side.	
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", the network can transport two		
	USER INFORMATION messages in each direction, between the ALERTING and the		
	CONNECT messages.		
Parameter values:	BC = PIXIT, UI length = 32		
Comments:			

210852	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.4.3	
	clause 9.2.1.2	ETSI TS 183 036 [42], clause 5.2.10.1.3	
		ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/UUS2/210852	
Selection criteria:	- The calling (served) user is provided with UUS2.		
	<ul> <li>Point-to-point configu</li> </ul>	ration for the called side.	
Test purpose:	Ensure that after activation of UUS2 indicating "preferred", if the network does not receive an explicit acceptance or rejection in the ALERTING message from the called user, a UUS2 rejection with the Error value "rejected by the user, it is returned to the calling user in an ALERTING message sent from the network and the call can be established.		
Parameter values:	BC = PIXIT		
Comments:			

210871	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.2
	clause 9.3.1.1	ETSI TS 183 036 [42], clause 5.2.10.1.4
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210871	
Selection criteria:	The calling (served) user is provided with UUS3.	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "preferred", the	
	network can transport USER INFORMATION messages in both directions during the	
	Active state of the call.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210872	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.3
	clause 9.3.1.1.2	ETSI TS 183 036 [42], clause 5.2.10.1.4
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210872	
Selection criteria:	The calling (served) user is provided with UUS3.	
Test purpose:	Ensure that after the calling user request UUS3 during call establishment indicating	
	"preferred", if the network does not receive an explicit acceptance or rejection in the	
	CONNECT message from the called user, a UUS3 rejection with the Error value "rejected	
	by the user" is included in the CONNECT message sent to the calling user.	
Parameter values:	BC = PIXIT	
Comments:		

210873	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.2
	clause 9.3.1.1	ETSI TS 183 036 [42], clause 5.2.10.1.4
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210873	
Selection criteria:	The calling (served) user is provided with UUS3.	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "required", the	
		RMATION messages in both directions during the
	Active state of the call.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210874	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.4
	clause 9.3.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.4
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210874	
Selection criteria:	The calling (served) user is provided with UUS3.	
Test purpose:	Ensure that after activation of UUS3 during the Active call state indicating "preferred", the	
		RMATION messages in both directions during the
	Active state of the call.	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210875	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.5.5
	clause 9.3.1.2.2	ETSI TS 183 036 [42], clause 5.2.10.1.4
		ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210875	
Selection criteria:	The calling (served) user is provided with UUS3.	
Test purpose:	Ensure that after the calling user request UUS3 during the Active call state indicating "preferred", if the called user rejects the service 3 request, the network can transport the FACILITY message including a UUS3 rejection with the Error value "rejected by the user" from the called user to the calling user.	
Parameter values:	BC = PIXIT	
Comments:		

### 6.2.2.10 CONF

210901		Other relevant ref.:
		ETSI TS 183 036 [42], clause 5.2.4
	, , ,	ITU-T Q.1912.5 [35], annex B.14
		ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_service	es/CONF/210901
Selection criteria:	CONF	
Test purpose:		nference call from the Null call state.
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is placed and SETUP message including component to the network. The network CONNECT message which shall incomponent to the network in Facility IE [in the (Active, Idle) state. After the reception off the CONNECT procedure, the call is an Active-Held User A sends a SETUP message to FACILITY message to the network in (CRy) including an AddCONF invoked The network shall send a DISCONN with an AddCONF return result composer A sends RELEASE for CRy. The User B shall receive a NOTIFY message as using the basic call clearing procedure on receiving the DISCONNECT medunavailable, i.e. all subsequent oper the properties of the responded to with the appropriate "IllConferenceId" depending on the RELEASE COMPLETE message as shall release the Partyld associated	T message, user A is initiating the call hold d connection.  o user C. After the call establishment, user A sends a indicating the call reference of the call to be added se component.  NECT message (with CRy) to user A with a Facility IE inponent.  The network response with RELEASE COMPLETE. Is sage with a Notification indicator IE indicating that the erence ("Conference established").  Erved user shall clear the connection to the network by ures.  Essage, the network shall make the conference rations invoked for this conference by the user shall be return error component specifying "notActive" or operation requested. On sending or receiving the ssociated with clearing the connection, the network I with each remote user, and shall release the learing of the connection. The ConferenceId shall be

210902 TSS reference:	clause 9.2.2, annex A and figure A.2 ITU-T Q.1912. ETSI TS 129 1 ISDN-ISDN/Supplementary_services/CONF/21090	36 [42], clause 5.2.4 5 [35], annex B.14 63 [40], clause 7.4.14
Selection criteria:	CONF	11 A 12
Test purpose:	Ensure that user A can establish a conference from	m the Active call state.
Parameter values:	BC = speech	
Comments:		
	The user A is in network N1 and is provided with CONF. The user B is in network N2. User A calls user B (with CRx). After the call establishment [in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).  The network shall respond to user A with a FACILITY message including a Facility IE which shall contain a BeginCONF return result component in a Facility IE.  User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").  To terminate the conference, the served user shall clear the connection to the network by using the basic call clearing procedures.  On receiving the DISCONNECT message, the network shall make the conference unavailable, i.e. all subsequent operations invoked for this conference by the user shall be responded to with the appropriate return error component specifying "notActive" or "IllConferenceId" depending on the operation requested. On sending or receiving the RELEASE COMPLETE message associated with clearing the connection, the network shall release the Partyld associated with each remote user, and shall release the	
	ConferenceId associated with the clearing of the c available for re-use on other conferences.	onnection. The Conference a shall be

210903	ISDN ref. to:	Other relevant ref.:
210903	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42] clause 5.2.4
	clause 9.2.2, annex A, figure A.3	ITU-T Q.1912.5 [35], annex B.14
	ciause 9.2.2, armex A, figure A.5	
TCC reference:	ICDN ICDN/Complementers consis	ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_service	:es/CONF/210903
Selection criteria:	CONF	d like di
Test purpose:	Ensure that user A can add an exi	sting call to the conference.
Parameter values:	BC = speech	
Parameter values: Comments:	The user A is in network N1 and is User A calls user B (with CRx). Aff [in the (Active, Idle) state] user A shall contain a BeginCONF invoke be added (CRx).  The network shall respond to user which shall contain a BeginCONF User B shall receive a NOTIFY me user B has been added to the contain a Set of the call User A sends a SETUP message Idle) state] user A sends a FACILI of the call to be added (CRy) incluing the network shall send a DISCON with an AddCONF return result could user A sends RELEASE for CRy. User C shall receive a NOTIFY me user C has been added to the contuser B shall receive a NOTIFY me new remote user has been added To terminate the conference, the susing the basic call clearing proceion receiving the DISCONNECT munavailable, i.e. all subsequent op be responded to with the appropria "IllConferenceId" depending on the RELEASE COMPLETE message is shall receive and the propria "IllConferenceId" depending on the RELEASE COMPLETE message is shall receive and the propria "IllConferenceId" depending on the RELEASE COMPLETE message is shall receive and the propria "IllConferenceId" depending on the RELEASE COMPLETE message is the propria in the pr	sends a FACILITY message including a Facility IE which be component indicating the call reference of the call to a with a FACILITY message including a Facility IE return result component in a Facility IE. It is sage with a Notification indicator IE indicating that the ference ("Conference established"). (CRx) is in an Active-Held connection. It is user C. After the call establishment [ in the (Active, TY message to the network indicating the call reference ding an AddCONF invoke component. INECT message (with CRy) to user A with a Facility IE mponent.  The network response with RELEASE COMPLETE. Ressage with a Notification indicator IE indicating that the ference ("Conference established"). Ressage with a Notification indicator IE indicating that a to the conference ("Other party added"). Rereved user shall clear the connection to the network by
	ConferenceId associated with the available for re-use on other confe	clearing of the connection. The ConferenceId shall be rences.

210904	ISDN ref. to: Other relevant ref.:	
210904		
	ETSI EN 300 185-1 [11], ETSI TS 183 036 [42], clause 5.2.4	
	clause 9.2.2, annex A, figure A.6   ITU-T Q.1912.5 [35], annex B.14	
T00 f	ETSI TS 129 163 [40], clause 7.4.14	
TSS reference:	ISDN-ISDN/Supplementary_services/CONF/210904	
Selection criteria:	CONF	
Test purpose:	Ensure that user A can add an incoming call to the conference.	
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.	
	User A calls user B (with CRx). After the call establishment	
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE which shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established").	
	User C is calling user A. User A receives a SETUP (with CRy) message. User A answers	
	with a ALERTING message and initiates the call hold procedure, the call A-B is in the Active, Call Held state.	
	After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY	
	message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component.	
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an <b>AddCONF</b> return result component.	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").  User B shall receive a NOTIFY message with a Notification indicator IE indicating that a	
	new remote user has been added to the conference ("Other party added").	
	To terminate the conference, the served user shall clear the connection to the network by	
	using the basic call clearing procedures.  On receiving the DISCONNECT message, the network shall make the conference	
	unavailable, i.e. all subsequent operations invoked for this conference by the user shall	
	be responded to with the appropriate return error component specifying "notActive" or	
	"IllConferenceId" depending on the operation requested. On sending or receiving the	
	RELEASE COMPLETE message associated with clearing the connection, the network	
	shall release the Partyld associated with each remote user, and shall release the	
	Conferenced associated with the clearing of the connection. The Conferenced shall be	
	available for re-use on other conferences.	

ISDN ref. to:	I()ther relevant ret:
ETOLEN, 000 40E 4 5443	Other relevant ref.:
ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
	ITU-T Q.1912.5 [35], annex B.14
	ETSI TS 129 163 [40], clause 7.4.14
	es/CONF/210905
Ensure that user A can establish a reattach user B.	conference call with user B and user C and isolate and
BC = speech	
The user A is in network N1 and is User A calls user B (with CRx). Afte [in the (Active, Idle) state] user A se shall contain a <b>BeginCONF</b> invoke be added (CRx).  The network shall respond to user which shall contain a BeginCONF ruser B shall receive a NOTIFY mesuser B has been added to the confeafter initiating of call hold, the call (User A sends a SETUP message to Idle) state] user A sends a FACILIT of the call to be added (CRy) including the call to be added (CRy) including the network shall send a DISCONI with an <b>AddCONF</b> return result confuser A sends RELEASE for CRy. The network shall receive a NOTIFY mesuser C has been added to the confuser B shall receive a NOTIFY mesuser C shall receive a NOTIFY mesuser A sends a FACILITY message component to request the isolation FACILITY message with a Facility I User C shall receive a NOTIFY mesuser B has been reattached to the cuser B shall receive a NOTIFY mesuser B is reattached to the conference with a Facility IE including a Reattal	ends a FACILITY message including a Facility IE which component indicating the call reference of the call to A with a FACILITY message including a Facility IE return result component in a Facility IE. ssage with a Notification indicator IE indicating that the erence ("Conference established"). CRx) is in an Active-Held connection. Or user C. After the call establishment [ in the (Active, "Y message to the network indicating the call reference ding an AddCONF invoke component.  NECT message (with CRy) to user A with a Facility IE mponent.  The network response with RELEASE COMPLETE. ssage with a Notification indicator IE indicating that the
	clause 9.2.2, annex A, figure A.7-A.8  ISDN-ISDN/Supplementary_service CONF Ensure that user A can establish a reattach user B.  BC = speech The user A is in network N1 and is User A calls user B (with CRx). Afte [in the (Active, Idle) state] user A schall contain a BeginCONF invoked be added (CRx). The network shall respond to user which shall contain a BeginCONF of User B shall receive a NOTIFY meuser B has been added to the conformation of the call to be added (CRy) including the call to be added to the conformation of the call to be added (CRy) including the call to be added to the conformation of the call to be added to the conformation of the call receive a NOTIFY meuser C shall receive a NOTIFY meuser C has been added to the conformation of the call to request the isolation facility message with a Facility User C shall receive a NOTIFY meuser B has been reattached to the User B shall receive a NOTIFY meuser B is reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facility IE including a Reattached to the conference with a Facili

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210906	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
		ITU-T Q.1912.5 [35], annex B.14
		ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_service	es/CONF/210906
Selection criteria:	CONF	
Test purpose:	one party can be split.	conference call with user B and user C and verify that
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is User A calls user B (with CRx). Afte [in the (Active, Idle) state] user A se shall contain a BeginCONF invoke be added (CRx).  The network shall respond to user which shall contain a BeginCONF ruser B shall receive a NOTIFY mesuser B has been added to the confecall hold, the call (CRx) is in an Actuser A sends a SETUP message (Active, Idle) state] User A sends a reference of the call to be added (CThe network shall send a DISCONI with an AddCONF return result confect User A sends RELEASE for CRy. The user C shall receive a NOTIFY mesuser C has been added to the confect User B shall receive a NOTIFY mesuser A sends a SETUP message in invoke component to request the specific process of the call send a CALL PR CONNECT message with a SplitCOUser C shall receive a NOTIFY mesuser B has been split from the confection of the confection o	ends a FACILITY message including a Facility IE which component indicating the call reference of the call to A with a FACILITY message including a Facility IE eturn result component in a Facility IE. sage with a Notification indicator IE indicating that the erence ("Conference established"). After initiating of ive-Held connection.  CRy) to user C. After the call establishment [ in the FACILITY message to the network indicating the call cRy) including an AddCONF invoke component.  NECT message (with CRy) to user A with a Facility IE mponent.  The network response with RELEASE COMPLETE. sage with a Notification indicator IE indicating that the erence ("Conference established").  Is sage with a Notification indicator IE indicating that a to the conference ("Other party added").  Including a Facility IE which shall contain SplitCONF colitting of the remote user B.  OCEEDING, ALERTING without Channelid IE and a DNF return component.

210907	ISDN ref. to: Other relevant ref.:	
210907		
	ETSI EN 300 185-1 [11], ETSI TS 183 036 [42], clause 5.2.4 clause 9.2.2, annex A, figure A.10- ITU-T Q.1912.5 [35], annex B.14	
	A.12 ETSI TS 129 163 [40], clause 7.4.14	
TSS reference:	ISDN-ISDN/Supplementary_services/CONF/210907	
Selection criteria:	CONF	
Test purpose:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.	
rest purpose.	Ensure that user A can establish a conference call with user B and user C. Verify that	
	user B can be disconnected from user A (with a DropCONF invoke component in a	
	FACILITY message) from the conference and that user A can terminate the conference	
	using the basic call clear procedure.	
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is provided with CONF. User B and C are in network N2.	
Commonto.	User A calls user B (with CRx). After the call establishment	
	[in the (Active, Idle) state] user A sends a FACILITY message including a Facility IE which	
	shall contain a <b>BeginCONF</b> invoke component indicating the call reference of the call to	
	be added (CRx).	
	The network shall respond to user A with a FACILITY message including a Facility IE	
	which shall contain a BeginCONF return result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the	
	user B has been added to the conference ("Conference established"). After initiating of all	
	hold, the call (CRx) is in an Active-Held connection.	
	User A sends a SETUP message (CRy) to user C. After the call establishment [ in the	
	(Active, Idle) state] user A sends a FACILITY message to the network indicating the call	
	reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component.	
	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE	
	with an AddCONF return result component.	
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the	
	user C has been added to the conference ("Conference established").	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that a	
	new remote user has been added to the conference ("Other party added").	
	User A sends a FACILITY message with a Facility IE including a DropCONF invoke component to request to disconnect the remote user B.	
	The network shall send a FACILITY message with a Facility IE including a DropCONF	
	return result component.	
	User B shall be disconnected from the call with the normal call clearing procedures.	
	User C shall receive a NOTIFY message with a Notification indicator IE indicating that the	
	user B has been disconnected from the conference ("other party disconnected"). User A is	
	terminating the conference sending a DISCONNECT message, the network response	
	with RELEASE and the user with RELEASE COMPLETE.	
	User C shall be disconnected from the network with the normal call clearing procedures.	
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210908	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4	
	clause 9.2.2, annex A, figure A.11-	ITU-T Q.1912.5 [35], annex B.14	
	A.12	ETSI TS 129 163 [40], clause 7.4.14	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CONF/210908	
Selection criteria:	CONF		
Test purpose:		conference call with user B and user C. The remote nce and that user A can terminate the conference using	
Parameter values:	BC = speech		
Comments:	User A calls user B (with CRx). After		
		ends a FACILITY message including a Facility IE which component indicating the call reference of the call to	
		A with a FACILITY message including a Facility IE eturn result component in a Facility IE.	
	User B shall receive a NOTIFY message with a Notification indicator IE indicating that the user B has been added to the conference ("Conference established"). After initiating of call hold, the call (CRx) is in an Active-Held connection.		
	User A sends a SETUP message (CRy) to user C. After the call establishment [ in the (Active, Idle) state] user A sends a FACILITY message to the network indicating the call reference of the call to be added (CRy) including an <b>AddCONF</b> invoke component. The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE with an <b>AddCONF</b> return result component.		
	User A sends RELEASE for CRy. The network response with RELEASE COMPLETE. User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user C has been added to the conference ("Conference established").  User B shall receive a NOTIFY message with a Notification indicator IE indicating that a new remote user has been added to the conference ("Other party added").  User B sends a DISCONNECT message, the network shall send to user A a FACILITY message with a Facility IE including a PartyDISC invoke component with a parameter indicating the PartyId associated with the disconnected remote user.  User C shall receive a NOTIFY message with a Notification indicator IE indicating that the user B disconnected from the conference ("other remote user disconnected"). User A is		
	with RELEASE and the user with R	a DISCONNECT message, the network response ELEASE COMPLETE. the network with the normal call clearing procedures.	
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210909	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
	clause 9.2.2, annex A, figure A.2	ITU-T Q.1912.5 [35], annex B.14
		ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CONF/210909
Selection criteria:	CONF	
Test purpose:	The ISDN user B is in network N2 and is provided with CONF. The user A and user C are in network N2.	
	Ensure that user A calls user B. U state to user C.	ser B can establish a conference from the Active call
Parameter values:	BC = speech	
Comments:	User A calls user B. After the call	establishment
	[in the (Active, Idle) state] user B sends a FACILITY message including a Facility IE which shall contain a BeginCONF invoke component indicating the call reference of the call to be added.	
	The network shall respond to user B with a FACILITY message including a Facility IE which shall contain a BeginCONF return result component in a Facility IE.	

### 6.2.2.11 CFU

211103	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5 ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_ser	vices/CFU/211103
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes, "served user receives notification that the call has been forwarded" = Yes).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT, CF active	
Comments:		

211102	ISDN ref. to:	Other relevant ref.:	
211102	1		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_s	ervices/CFU/211102	
Selection criteria:	B is in network N2 and is prov diversion" = Yes, with diverted	The user A and the user C are in network N1 and user C is provided with COLR. The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = No, "served user receives notification that the call has been forwarded" = No).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A is notified of call diversion and not informed of the diverted-to number (user C has presentation not allowed - COLR) and user C is not informed of the forwarding number (user B has presentation not allowed).  User B is not notified of call diversion.		
Parameter values:	BC = PIXIT, CF active		
Comments:			

211103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFU/TC211103
ISDN selection criteria:		provided with CFU ("calling user is notified of call
	diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to	
		notification that the call has been forwarded" = Yes).
Test purpose:	To verify that a call is released correctly if CFU was not successful.	
	User A calls user B, the call is forwarded to user C who is user determined user busy.	
	User A is notified of call diversion and user C is informed of the forwarding number (user	
	B has presentation allowed).	
ISDN parameter values:	CFU active	
Comments:		

211104	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFU/TC211104
Selection criteria:	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFU ("calling
	user is Notified of call diversion" = `	Yes, "diverting number is released to the diverted-to
	user" = Yes)	_
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). The CallRerouteing invoke component shall contain the lastRerouteingNr with the "presentationAllowedNumber" and the subscriptionOption parameter with the value "calling user is notified of diversion".  User A is notified of call diversion and user C is informed of the forwarding number (user B has presentation allowed).	
ISDN parameter values:	CFU - partial rerouting	
Comments:	_	

211105	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFU/TC211105
ISDN selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFU ("calling user is Notified of call diversion" = No, "diverting number is released to the diverted-to user" = No)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified of call diversion and user C is not informed of the forwarding number.	
ISDN parameter values:	CFU - partial rerouting	
Comments:	The CallRerouteing invoke component shall contain the lastRerouteingNr with the "presentationRestricted" and the subscriptionOption parameter with the value "calling user is notified of diversion" is not included.	

# 6.2.2.12 CFB

211201	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.3 and 9.2.5	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5 ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:	The user B is in network N2 and is provided with CFB-UDUB ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user " = Yes, "served user receives notification that the call has been forwarded" = Yes).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed no COLR) and user C is informed of the forwarding number (user B has presentation allowed).  User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's subaddress and the calling party A's address.	
Parameter values:	CF active	
Comments:		

211202	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clauses 9.2.2, 9.2.4.3 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CFB/211202		
Selection criteria:	The user A and the user C are in I	network N1 and user C is provided with COLR. The user		
	B is in network N2 and is provided	with CFB-UDUB		
		("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting		
	number is released to the diverted	l-to User" = No, "served user receives notification that		
	the call has been forwarded" = No	).		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A is			
	notified of call diversion and not informed of the diverted-to number (user C has			
		presentation not allowed - COLR) and user C is not informed of the forwarding number		
	(user B has presentation not allow	red).		
Parameter values:	CF active			
Comments:				

211203	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.3 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211203		
Selection criteria:	The user B is in network N2 and is provided with CFB-NDUB("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the		
	diverted-to user " = Yes, "served user receives notification that the call has been		
	forwarded" = Yes).		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).		
	User B is notified of call diversion with a FACILITY message (DCR) about the telecommunications service information, user-to-user information, served user B's		
	subaddress and the calling party A's address.		
Parameter values:	CF active		
Comments:			

211204	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.3 and 9.2.5	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5 ITU-T Q.1912.5 [35], annex B.6
TCC reference:	ICDN ICDN/Complementant comis	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211204	
Selection criteria:	The user A and the user C are in network N1 and user C is provided with COLR. The user B is in network N2 and is provided with CFB-NDUB ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No, "served user receives notification that the call has been forwarded" = No).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A is notified of call diversion and not informed of the diverted-to number (user C has presentation not allowed - COLR) and user C is not informed of the forwarding number (user B has presentation not allowed).	
Parameter values:	CF active	
Comments:		

211205	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.3 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211205		
Selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call		
	diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to		
	User" = Yes, "served user receives	s notification that the call has been forwarded" = Yes).	
Test purpose:	To verify that a call is released correctly if CFB was not successful.		
User A calls busy termination B (that one B-channel		nat one B-channel is free), the call is forwarded to user	
	C who is user determined user busy.		
Parameter values:	CFB active, User B is in the UDUB condition		
Comments:			

211206	ISDN ref. to:  ETSI EN 300 207-1 [12],  clauses 9.2.2, 9.2.4.3 and 9.2.5  ITU-T Q.1912.5 [35], annex B.6  ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211206	
Selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB configured for subscription option "served user receives notification that a call has been forwarded" set to "yes", with call offering information and DDI provided, to indicate that the call to the served user is forwarded on network determined user busy.  "calling user is notified of call diversion" = Yes,  "diverting number is released to the diverted-to User" = Yes	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	CFB - partial rerouting	
Comments:	The CallRerouteing invoke component shall contain the lastRerouteingNr with the "presentationAllowedNumber" and the subscriptionOption parameter with the value "calling user is notified of diversion".	

211207	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.3 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/211207		
Selection criteria:	The user B is in network N2. Partial rerouting provided in PTNX in case of CFB configured for subscription option "served user receives notification that a call has been forwarded" set to "yes", with call offering information and DDI provided, to indicate that the call to the served user is forwarded on network determined user busy.		
	"calling user is notified of call diversion" = No,		
	"diverting number is released to the diverted-to User" = No		
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C). User A is not notified of call diversion and not informed of the diverted-to number and user C is not informed of the forwarding number.		
Parameter values:	CFB - partial rerouting		
Comments:	The CallRerouteing invoke component shall contain the lastRerouteingNr with the "presentationRestricted" and the subscriptionOption parameter with the value "calling user is notified of diversion" is not included.		

# 6.2.2.13 CFNR

211301	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35] annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFNR/211301	
Selection criteria:	The user A and the user C are in r	etwork N1. The user B is in network N2 and is provided	
	with CFNR (option A, late release)	("calling user is notified of call diversion" = Yes, with	
	diverted-to number, "diverting number is released to the diverted-to user" = Yes).		
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C, user		
	A is notified of call diversion and informed of the diverted-to number (user C has		
	presentation allowed - no COLR) and user C is informed of the forwarding number (user		
	B has presentation allowed).		
Parameter values:	CF active		
Comments:	Network provider option "served us	ser call retention on invocation of diversion " is "retain	
	call until alerting begins at diverting	g to user".	

211302	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35] annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi	ices/CFNR/211302	
Selection criteria:	B is in network N2 and is provided	The user A and the user C are in network N1 and user C is provided with COLR. The user B is in network N2 and is provided with CFNR (option A, late release) ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = No).	
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user A is notified of call diversion and not informed of the diverted-to number (user C has presentation not allowed - COLR) and user C is not informed of the forwarding number (user B has presentation not allowed).		
Parameter values:	CF active		
Comments:	Network provider option "served used until alerting begins at diverting	user call retention on invocation of diversion " is "retaining to user".	

211303	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35] annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CFNR/211303	
Selection criteria:		network N1. The user B is in network N2 and is provided	
		elease) ("calling user is notified of call diversion" = Yes,	
	with diverted-to number, "diverting	number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls use	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C, user	
		A is notified of call diversion and informed of the diverted-to number (user C has	
	presentation allowed - no COLR) and user C is informed of the forwarding number (user		
	B has presentation allowed).		
Parameter values:	CFNR active		
Comments:	Network provider option "served u	ser call retention on invocation of diversion " is "clear	
	call on invocation".		

211304	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35] annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CFNR/211304	
Selection criteria:	The user A and the user C are in	network N1 and user C is provided with COLR. The user	
	B is in network N2 and is provided	d with CFNR (option B, immediate release) ("calling user	
	is notified of call diversion" = Yes,	is notified of call diversion" = Yes, with diverted-to number, "diverting number is released	
	to the diverted-to user" = No).		
Test purpose:	Ensure that when user A calls use	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user	
	A is notified of call diversion and r	A is notified of call diversion and not informed of the diverted-to number (user C has	
	presentation not allowed - COLR) and user C is not informed of the forwarding number		
	(user B has presentation not allow	ved).	
Parameter values:	CFNR active		
Comments:	Network provider option "served u	ser call retention on invocation of diversion " is "clear	
	call on invocation".		

211305	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35] annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CFNR/211305
Selection criteria:		provided with CFNR (option B, immediate release)
	("calling user is Notified of call dive	rsion" = Yes, with diverted-to number, "diverting
	number is released to the diverted-	to User" = Yes).
Test purpose:	Ensure that when user A calls user	B, the call is released correctly if CFNR was not
	successful.	
	Ensure that when user A calls user	B, if unanswered, the call is forwarded to user C who
	is user determined user busy.	
Parameter values:	CFNR active	
Comments:	Network provider option "served us	ser call retention on invocation of diversion " is "clear
	call on invocation".	

211306	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5
	clause 9.2.2 and 10.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFNR/TC211306
Selection criteria:	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option
	A, late release) ("calling user is Not	ified of call diversion" = Yes, "diverting number is
	released to the diverted-to User" =	Yes)
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from the private network (NT2) and performs rerouting towards the indicated address (user C).	
	User A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user	
	B has presentation allowed).	· ·
ISDN parameter values:	: CFNR - partial rerouting	
Comments:	Network provider option "served user call retention on invocation of diversion " is "retain	
	call until alerting begins at diverting	to user".
	The CallRerouteing invoke compor	ent shall contain the lastRerouteingNr with the
	"presentationAllowedNumber" and	the subscriptionOption parameter with the value
	"calling user is notified of diversion"	

211307	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 9.2.2 and 10.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFNR/TC211307	
Selection criteria:	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option	
	A, late release) ("calling user is No	tified of call diversion" = No, "diverting number is	
	released to the diverted-to User" =	No)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from		
	the private network (NT2) and performs rerouting towards the indicated address (user C).		
	User A is not notified of call diversion and not informed of the diverted-to number (user C		
	has presentation allowed - no COLR) and user C is not informed of the forwarding		
	number (user B has presentation n	ot allowed).	
ISDN parameter values:	CFNR - partial rerouting		
Comments:	Network provider option "served user call retention on invocation of diversion " is "retain		
	call until alerting begins at diverting to user".		
		nent shall contain the lastRerouteingNr with the	
	"presentationRestricted" and the su	ubscriptionOption parameter with the value "calling	
	user is notified of diversion" is not i	ncluded.	

211308	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:		I rerouting provided in PTNX in case of CFNR (option	
	B, immediate release). ("calling use	er is Notified of call diversion" = Yes, "diverting number	
	is released to the diverted-to User"	= Yes)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from		
	the private network (NT2) and performs rerouting towards the indicated address (user C).		
	User A is notified of call diversion and informed of the diverted-to number (user C has		
	presentation allowed - no COLR) and user C is informed of the forwarding number (user		
	B has presentation allowed).		
ISDN parameter values:	CFNR - partial rerouting		
Comments:	Network provider option "served user call retention on invocation of diversion " is "clear		
	call on invocation".		
	The CallRerouteing invoke compor	ent shall contain the lastRerouteingNr with the	
	"presentationAllowedNumber" and	the subscriptionOption parameter with the value	
	calling user is notified of diversion		

211309	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.4 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
	·	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CFNR/TC211309	
Selection criteria:	The user B is in network N2. Partia	I rerouting provided in PTNX in case of CFNR (option	
	B, immediate release). ("calling use	er is Notified of call diversion" = No, "diverting number	
	is released to the diverted-to User"	= No)	
Test purpose:	User A calls user B. The public network acts on the call rerouting invocation request from		
	the private network (NT2) and performs rerouting towards the indicated address (user C).		
	User A is not notified of call diversion and not informed of the diverted-to number and		
	user C is not informed of the forwar	ding number.	
ISDN parameter values:	CFNR - partial rerouting		
Comments:	Network provider option "served user call retention on invocation of diversion " is "clear		
	call on invocation".		
		ent shall contain the lastRerouteingNr with the	
	"presentationRestricted" and the su	bscriptionOption parameter with the value "calling	
	user is notified of diversion" is not in	ncluded.	

# 6.2.2.14 CD

211401	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5 ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CD/211401
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during the Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211402	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5 ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CD/211402	
Selection criteria:	"clear call on invocation".  The user A and the user C are in with CD ("calling user is notified o	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = No, with diverted-to number, "diverting number is released to the diverted-to user" = No).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during the Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and not informed of the diverted-to number and user C is not informed of the forwarding number.		
Parameter values:	BC = PIXIT		
Comments:			

211403	ISDN ref. to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5 ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CD/211403
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Call Proceeding call state N09, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211404	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CD/211404	
Selection criteria:	CD; Network provider option "serve	ed user call retention on invocation of diversion" is	
	"clear call on invocation".		
		etwork N1. The user B is in network N2 and is provided	
	with CD ("calling user is notified of call diversion" = Yes, with diverted-to number,		
	"diverting number is released to the diverted-to user" = Yes).		
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C)		
	during Overlap Receiving call state N25, the call is deflected to user C, user A is notified		
	of call diversion and informed of the diverted-to number (user C has presentation		
	allowed - no COLR) and user C is informed of the forwarding number (user B has		
	presentation allowed).		
Parameter values:	BC = PIXIT		
Comments:			

211405	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CD/211405	
Selection criteria:		CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
		network N1. The user B is in network N2 and is provided f call diversion" = Yes, with diverted-to number, ne diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).		
Parameter values:	BC = PIXIT		
Comments:			

211406	ISDN ref. to: ETSI EN 300 207-1 [12],	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	2,
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".  The user A and the user C are in network N1. The user B is in network N2 and is provided with CD ("calling user is notified of call diversion" = No, with diverted-to number, "diverting number is released to the diverted-to user" = No).	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Call Received call state N07, the call is deflected to user C, user A is notified of call diversion and not informed of the diverted-to number and user C is not informed of the forwarding number.	
Parameter values:	BC = PIXIT	
Comments:		

211407	ISDN ref. to: ETSI EN 300 207-1 [12],	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
	retain call until alerting begins at c	liverted-to user".
		etwork N1. The user B is in network N2 and is provided call diversion" = Yes, with diverted-to number,
	"diverting number is released to the	
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Incoming Call Proceeding call state N09, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211408	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CD/211408
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "retain call until alerting begins at diverted-to user".	
		network N1. The user B is in network N2 and is provided call diversion" = Yes, with diverted-to number, e diverted-to user" = Yes).
Test purpose:	Ensure that when user A calls user B and user B invoke CD (with the address of user C) during Overlap Receiving call state N25, the call is deflected to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).	
Parameter values:	BC = PIXIT	
Comments:		

211409	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CD/211409
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	"clear call on invocation".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Call Received call state N07, the call is deflected to user C who is user determined user	
	busy.	
Parameter values:	BC = PIXIT	
Comments:		

211410	ISDN ref. to: ETSI EN 300 207-1 [12],	Other relevant ref.: ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not successful. User A calls user B, and user B invoke CD (with the address of user C) during Incoming Call Proceeding call state N09, the call is deflected to user C who is user determined user busy.	
Parameter values:	BC = PIXIT	
Comments:		

211411	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	es/CD/211411
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	"clear call on invocation".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Overlap Receiving call state N25, the call is deflected to user C who is user determined	
	user busy.	
Parameter values:	BC = PIXIT	
Comments:		

211412	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CD/211412
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	retain call until alerting begins at c	liverted-to user".
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not	
	successful. User A calls user B, and user B invoke CD (with the address of user C) during	
	Call Received call state N07, the call is deflected to user C who is user determined user	
	busy.	
Parameter values:	BC = PIXIT	
Comments:		

211413	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CD/211413	
Selection criteria:	CD; Network provider option "serve	CD; Network provider option "served user call retention on invocation of diversion" is	
	"retain call until alerting begins at diverted-to user".		
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not		
	successful. User A calls user B, and user B invoke CD (with the address of user C) during		
	Incoming Call Proceeding call state N09, the call is deflected to user C who is user		
	determined user busy.		
Parameter values:	BC = PIXIT		
Comments:			

211414	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CD/211414	
Selection criteria:	CD; Network provider option "serv	CD; Network provider option "served user call retention on invocation of diversion" is	
	"retain call until alerting begins at	"retain call until alerting begins at diverted-to user".	
Test purpose:	Ensure that when user A calls user B, the call is released correctly if CD was not successful. User A calls user B, and user B invoke CD (with the address of user C) during Overlap Receiving call state N25, the call is deflected to user C who is user determined user busy.		
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

# 6.2.2.15 FPH

044504	IODAL C.	0:1 1 : 1	
211501	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 210-1 [13],		
	clause 9.2.2.1		
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/FPH/211501	
Selection criteria:	The called (served) user is a free	The called (served) user is a freephone subscriber.	
Test purpose:	Ensure that call establishment to a Freephone subscriber is possible and that the calling user is not charged. Verify that the free phone indication is delivered correctly to the called user.		
Parameter values:	BC = PIXIT		
Comments:			

# 6.2.2.16 MCID

211601	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 130-1 [14],	ETSI TS 183 036 [42], clause 5.2.6
	clause 9.2.1	ITU-T Q.1912.5 [35], annex B.4
		ETSI TS 129 163 [40], clause 7.4.4
TSS reference:	ISDN-ISDN/Supplementary_services/MCID/211601	
Selection criteria:	The called (served) user is provided with MCID.	
Test purpose:	Ensure that if MCID is invoked by the called user in the Active call state, the call is registered.	
Parameter values:	BC = PIXIT	
Comments:		

211602	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 130-1 [14],	ETSI TS 183 036 [42], clause 5.2.6	
	clause 9.2.1	ITU-T Q.1912.5 [35], annex B.4	
		ETSI TS 129 163 [40], clause 7.4.4	
TSS reference:		ISDN-ISDN/Supplementary_services/MCID/211602	
Selection criteria:	The called user is provided with MCID.		
Test purpose:	Ensure that if MCID in invoked by the called user in the Disconnect Indication call state,		
	the call is registered.		
Parameter values:	BC = PIXIT		
Comments:			

### 6.2.2.17 3PTY

211701	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2	ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_service	es/3PTY/211701
Selection criteria:	The user A is in network N1 and is network N2.	provided with 3PTY. The user B and user C are in the
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Idle connection (A-C). After the completion of the Retrieve function, the call clearing procedure is performed from user A.	
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.  User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.	
	When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.  On receipt of a DISCONNECT message from the user A relating to the Active-Idle connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user B the notification "Remote hold".  When user A sends a RETRIEVE message for CRx the network shall send a NOTIFY message to user B containing a Notification indicator IE with a notification description of "Conference disconnected". User A shall receive a RETRIEVE ACKNOWLEDGE message. The call A-B has an Active-Idle connection.  The call clearing procedure is performed from user A with a DISCONNECT message.	

211702	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2, figure A.2	ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_service	es/3PTY/211702
Selection criteria:	network N2.	provided with 3PTY.The user B and user C are in the
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and release the Active-Held connection (A-B). The call clearing procedure is performed from user A.	
Parameter values:	BC = speech	
Comments:	BC = speech  User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.  User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.  When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C shall receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.  On receipt of a DISCONNECT message from the user A relating to the Active-Held connection (CRx) the network shall clear the call to user B with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote user C a NOTIFY message containing a Notification indicator IE with a notification description of "Conference disconnected". The call A-C has an Active-Idle connection. The call clearing procedure is performed from user A with a DISCONNECT message.	

211703	ISDN ref. to: ETSI EN 300 188-1 [15], clause 9.2	Other relevant ref.: ITU-T Q.734.2 [25], figure 2-8 ETSI TS 183 036 [42], clause 5.2.13 ITU-T Q.1912.5 [35], annex B.15	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/3PTY/211703	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2.		
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user B sends disconnect during the Three-Party communication.		
Parameter values:	BC = speech	BC = speech	
Comments:			

211704	ISDN ref. to: ETSI EN 300 188-1 [15], clause 9.2	Other relevant ref.: ITU-T Q.734.2 [25], figure 2-9 ETSI TS 183 036 [42], clause 5.2.13 ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_services/3PTY/211704	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the network N2.	
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and user C sends disconnect during the Three-Party communication.	
Parameter values:	BC = speech	
Comments:		

211705	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2	ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_service	es/3PTY/211705
Selection criteria:	The user A is in network N1 and is	provided with 3PTY. The user B and user C are in the
	network N2.	
Test purpose:	Ensure that user A can establish a	three-way conversation call with user B and user C
	and release of both remote users,	user C is released first.
Parameter values:	BC = speech	
Comments:		er initiating of call hold, the call A-B has an Active-Held
	connection.	
	User A is calling user C (with the C	CRy). The call (A-C) has an Active-Idle connection.
	When user A sends a FACILITY message for CRx containing a facility IE with a	
	Begin3PTY invoke component the network shall respond with a FACILITY message	
	containing a facility IE with a Begin3PTY return result component for CRx. User B and C	
	receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established.  On receipt of a DISCONNECT message from the user A relating to the Active-Idl connection (CRy) the network shall clear the call to user C with a DISCONNECT message. After the release of the three-way bridge the network is sending to the remote	
	user B the notification "Remote hold".	
	On receipt of a DISCONNECT message from the user A relating to the Active-Held	
	connection (CRx) the network shall clear the call to user B with a DISCONNECT	
	message.	

211706	ISDN ref. to: Other relevant ref.:	
211700	ETSI EN 300 188-1 [15], ETSI TS 183 036 [42], clause 5.2.13	
	clause 9.2   ITU-T Q.1912.5 [35], annex B.15	
TSS reference:	ISDN-ISDN/Supplementary_services/3PTY/211706	
Selection criteria:	The user A is in network N1 and is provided with 3PTY. The user B and user C are in the	
	network N2.	
Test purpose:	Ensure that user A can establish a three-way conversation call with user B and user C and create a private communication with user B. The call clearing procedure is performed from user A	
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.	
	User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection. When user A sends a FACILITY message for CRx containing a facility IE with a Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. The served user shall send an End3PTY invoke component to the network in a	
	FACILITY message with that CRx. On receiving such an invoke component in a FACILITY message, the network shall:  i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection;  ii) release the three-way bridge;	
	iii) return to the served user an End3PTY return result component, within a FACILITY message using the CRx of the Active-Held connection; iv) send a NOTIFY message to the remote user with which private communication is required containing a Notification indicator information element with a notification	
	description of "Remote hold"; and  v) send a NOTIFY message to the other remote user containing a Notification indicator information element with a notification description of "Conference disconnected".	
	When the served user receives a correctly encoded End3PTY return result component, within a FACILITY message, the user shall accept the provided information and shall:  i) use the CR relating to the Active-Idle connection, perform the Hold function;  ii) use the CR relating to the Active-Held connection, perform the Retrieve function.	
	The network shall complete the Hold and Retrieve functions. On successful completion of the Hold function (i.e. the HOLD ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user that is not to be included in the private communication, containing a Notification indicator information element with a notification description of "Remote hold". On successful completion of the Retrieve function (i.e. RETRIEVE ACKNOWLEDGE message is sent) the network shall send a NOTIFY message, to the remote user for whom private communication is desired, containing a Notification indicator information element with a notification description of "Conference disconnected".	
	(A Notification indicator information element with a notification description of "Remote retrieval" is not sent to the remote user under these circumstances.)  As a result of the procedures of this item of this clause, the call state of the connections, at both the network and the served user, is unchanged. The auxiliary state of the connection of the private communication changes from Call Held to Idle. The auxiliary state of the other connection changes from Idle to Call Held.  The call clearing procedure is performed from user A with a DISCONNECT message.	

211707	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 188-1 [15], clause 9.2	ETSI TS 183 036 [42], clause 5.2.13 ITU-T Q.1912.5 [35], annex B.15
TSS reference:		
Selection criteria:	ISDN-ISDN/Supplementary_servic	provided with 3PTY. The user B and user C are in the
	network N2.	•
Test purpose:	and create a private communicatio from user A.	three-way conversation call with user B and user C n with user C. The call clearing procedure is performed
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). After initiating of call hold, the call A-B has an Active-Held connection.  User A is calling user C (with the CRy). The call (A-C) has an Active-Idle connection.  When user A sends a FACILITY message for CRx containing a facility IE with a	
	Begin3PTY invoke component the network shall respond with a FACILITY message containing a facility IE with a Begin3PTY return result component for CRx. User B and C receive a NOTIFY message containing a Notification Indicator IE with a notification description of "Conference established". The three-way bridge is established. If the remote user, for which a private communication is required, is identified at the served user by the CRy relating to the Active-Idle connection, the served user shall send an End3PTY invoke component to the network in a FACILITY message with that CRy. On receiving such an invoke component in a FACILITY message, the network shall:  i) remove the three-way bridge from both the Active-Idle connection and the Active-Held connection; ii) release the three-way bridge;	
	iii) return to the served user an End3PTY return result component, within a FACILITY message, using the CRy of the Active-Idle connection; iv) send a NOTIFY message to both remote users containing a Notification indicator information element with a notification description of "Conference disconnected"; and v) send to the remote user for which private communication is not required, either in the same NOTIFY message as (iv), or in a subsequent NOTIFY message, a Notification indicator information element with a notification description of "Remote hold". If any intervening protocol between the network of the served user and the network of the remote user does not support transmission of two notification descriptions in the same message, then this should be mapped at that point to a message containing a single notification description of "Conference disconnected", and a subsequent message containing a notification description of "Remote hold".	
	within a FACILITY message, the use further action. As a result of the protection the auxiliary state of the connection unchanged.	correctly encoded End3PTY return result component, ser shall accept the provided information and take no occdures of this item of this clause, the call state and his, at both the network and the served user, are ormed from user A with a DISCONNECT message

# 6.2.2.18 HOLD

211801	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1	
		ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/HOLD/211801	
Selection criteria:	The calling user is provided v	The calling user is provided with HOLD.	
Test purpose:	Ensure that the remote user	Ensure that the remote user is notified of the call hold and retrieval.	
Parameter values:	BC = speech	BC = speech	
Comments:			

211802	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-ISDN/Supplementary_services/HOLD/211802	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call	
	hold and that the call can be released from the calling user during the held state.	
Parameter values:	BC = speech	
Comments:		

211803	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 141-1 [16],	ETSI EN 300 196-1 [26], clause 7.1
	clause 7	ETSI TS 183 036 [42], clause 5.2.1
		ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-ISDN/Supplementary_services/HOLD/211803	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, the called remote user is notified of call	
	hold and that the call can be released from the called user in the held state.	
Parameter values:	BC = speech	
Comments:		

# 6.2.2.19 CW

211901	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		ITU-T Q.1912.5 [35], annex B.9
		ETSI TS 129 163 [40], clause 7.4.9
TSS reference:	ISDN-ISDN/Supplementary_services/CW/211901	
Selection criteria:	The called user is provided with CW, notification allowed.	
Test purpose:	Ensure that when all B-channels are busy at the called side, the calling user is notified of	
	the call waiting.	
Parameter values:	BC = PIXIT	
Comments:		

211902	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		ITU-T Q.1912.5 [35], annex B.9
		ETSI TS 129 163 [40], clause 7.4.9
TSS reference:	ISDN-ISDN/Supplementary_services/CW/211902	
Selection criteria:	The called user is provided with CW, notification allowed.	
Test purpose:	Ensure that the Waiting call is released with "call rejected".	
Parameter values:	BC = PIXIT	
Comments:		

211903	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		ITU-T Q.1912.5 [35], annex B.9
		ETSI TS 129 163 [40], clause 7.4.9
TSS reference:	ISDN-ISDN/Supplementary_services/CW/211903	
Selection criteria:	The called user is provided with CW, notification allowed.	
Test purpose:	Ensure that the Waiting call is released at the terminating exchange after timer expired.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.20 ECT

	Transit di	
212001	ISDN ref. to: Other relevant ref.:	
	ETSI EN 300 369-1 [19], ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
	clauses 9.2.1, 9.2.3 and 9.2.4 ETSI TS 183 036 [42], clause 5.2.7	
	ITU-T Q.1912.5 [35] annex B.8	
TCC reference:	ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_services/ECT/212001	
Selection criteria:	ECT using implicit linkage, (A-B Active, Call Held) - Transfer after answer.	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2. Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call state -</b>	
	Call Held auxiliary state and the call A-C is in the Active call state a connection	
	between user B and user C is established and the calls A-B and A-C are released. The	
	call clearing procedure of the B-C connection is performed from user B. (user B and user	
	C have presentation allowed - no COLR) -	
Parameter values:	BC = PIXIT	
Comments:	In order to transfer the two calls into one call between user B and user C using the implicit	
Comments.	linkage procedure, the call <b>A-B</b> is in the <b>Active call state - Call Held auxiliary state</b> and	
	the call <b>A-C</b> is in the <b>Active call state</b>	
	User A shall send a FACILITY message with the call reference of the call in the Call Held	
	auxiliary state and with a Facility information element containing an EctExecute invoke	
	component.	
	If the request for call transfer is accepted, network A shall:	
	<ul> <li>through-connect between the networks of user B and user C;</li> </ul>	
	- send a DISCONNECT message with the call reference of the call on which the	
	EctExecute invoke component was received, and with a Facility information	
	element containing an EctExecute return result component.	
	When call transfer is indicated to the remote networks while the call to user C is in the	
	Active call state:	
	<ul> <li>network C shall send a FACILITY message to user C with a Notification indicator information element carrying information about the transfer and a Redirection</li> </ul>	
	number information element containing the ISDN number of user B (subject to	
	restriction) and a Facility information element containing a RequestSubaddress	
	invoke component.	
	The network B shall send a FACILITY message to user B with a Notification indicator	
	information element carrying information about the transfer and a Redirection number	
	information element containing the ISDN number of user C (subject to restriction) and a	
	Facility information element containing a RequestSubaddress invoke component.	
	When user C receives a RequestSubaddress invoke component, user C may send a	
	FACILITY message to network C with a Facility information element containing the	
	C user's subaddress in a SubaddressTransfer invoke component. This indication shall be	
	passed by network C to network B.	
	On receipt of this indication, network B shall send a FACILITY message to user B with a	
	Facility information element containing the SubaddressTransfer invoke component, with	
	user C's subaddress.	
	When user B receives a RequestSubaddress invoke component, user B may send a	
	FACILITY message to network B with a Facility information element containing the B user's subaddress in a SubaddressTransfer invoke component. This indication shall be	
	passed by network B to network C.	
	On receipt of this indication, network C shall send a FACILITY message to user C with a	
	Facility information element containing the SubaddressTransfer invoke component, with	
	user B's subaddress.	
	u301 D 3 3ubuuu1633.	

242002	ICDN rof to:	Other relevant ref.:
212002	ISDN ref. to:	
	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
	clauses 9.2.1, 9.2.3 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.7
		ITU-T Q.1912.5 [35] annex B.8
T00 (	ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:		tive, Call Held) - Transfer after answer
Test purpose:		vided with ECT using implicit linkage. User B and user
	C are in network N2.	
	Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call sate</b> and	
	the call A-C is in the Active call state - Call Held auxiliary state, a connection between	
		nd the calls A-B and A-C are released. The call
	clearing procedure of the B-C connection is performed from user C. (user B and user C	
	have presentation restricted - COL	R).
Parameter values:	BC = PIXIT	
Comments:		o one call between user B and user C using the implicit
		ctive call sate and the call A-C is in the Active call
	state - Call Held auxiliary state.	
		sage with the call reference of the call in the Call Held
		formation element containing an EctExecute invoke
	component.	
	If the request for call transfer is acc	
		the networks of user B and user C;
		essage with the call reference of the call on which the
		nent was received, and with a Facility information
	element containing an Ect	Execute return result component.
	When call transfer is indicated to the remote networks while the call to user B is in the	
	Active call state:	
	- network B shall send a FACILITY message to user B with a Notification indicator	
	information element carrying information about the transfer and a Redirection	
	number information element containing the ISDN number of user C (subject to	
	restriction) and a Facility information element containing a RequestSubaddress	
	invoke component.	
		TY message to user C with a Notification indicator
		nation about the transfer and a Redirection number
		ISDN number of user B (subject to restriction) and a
		ning a RequestSubaddress invoke component.
		ubaddress invoke component, user B may send a
		vith a Facility information element containing the
		essTransfer invoke component. This indication shall be
	passed by network B to network C.	
		rk C shall send a FACILITY message to user C with a
		ning the SubaddressTransfer invoke component, with
	user B's subaddress.	
		ubaddress invoke component, user C may send a
		vith a Facility information element containing the
		essTransfer invoke component. This indication shall be
	passed by network C to network B.	
		rk B shall send a FACILITY message to user B with a
		ning the SubaddressTransfer invoke component, with
	user C's subaddress.	

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212003	ISDN ref. To: Other relevant ref.:	
	ETSI EN 300 369-1 [19], ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
	clause 9 ETSI TS 183 036 [42], clause 5.2.7	
	ITU-T Q.1912.5 [35], annex B.8	
	ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_services/ECT/212003	
Selection criteria:	ECT using implicit linkage, (A-C Alerting) - Transfer while alerting	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes ECT in which the call A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Call Delivered State a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the	
	basic call procedure for the user C.	
	The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:	BC = PIXIT	
Comments:	When call transfer is indicated to the remote networks while the call to user C is in the	
	Call Delivered call state:	
	network B shall send a FACILITY message to user B, with a Notification	
	indicator information element carrying information about the transfer and a	
	Facility information element containing a RequestSubaddress invoke	
	component;	
	network C shall send a NOTIFY message to user C, with a Notification indicator	
	information element carrying information about the transfer and a Redirection	
	number information element containing the ISDN number of user B (subject to	
	restriction).	
	If a point-to-multipoint configuration exists at user C's interface, the network shall send a	
	NOTIFY message to each responding user.	
	When user B receives a RequestSubaddress invoke component, user B may send a	
	FACILITY message to network B with a Facility information element containing the B user's subaddress in a SubaddressTransfer invoke component. This indication shall be	
	passed by network B to network C.	
	On receipt of this indication, network C shall send a FACILITY message according to the	
	procedures of clause 8.3.1.1 of ETSI EN 300 196-1 [26] to user C with a Facility	
	information element containing the SubaddressTransfer invoke component with user B's	
	subaddress. If a point-to-multipoint configuration exists at user C's interface, network C shall send a FACILITY message to each responding user.  When network C receives a CONNECT message from user C, network C shall proceed with basic call procedures for user C. On receipt of the indication that the call to user C.	
	has been established, network B shall:	
	- if user C has provided a subaddress and the address is not subject to restriction,	
	network B shall send a FACILITY message to user B with a Notification indicator	
	information element carrying information about the transfer, a Redirection	
	number information element containing the ISDN number of user C and a	
	Facility information element containing the SubaddressTransfer invoke	
	component with user C's subaddress. If user C has not provided a subaddress,	
	or the address is subject to restriction, network B shall send a NOTIFY message	
	to user B with a Notification indicator information element carrying information	
	about the transfer, and a Redirection number information element containing the	
	ISDN number of user C information (subject to restriction).	

212004	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19], clause 9	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		ITU-T Q.1912.5 [35] annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servic	es/ECT/212004
Selection criteria:	ECT using implicit linkage, (A-C Alerting, Call Held) - Transfer while alerting	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes E	CT in which the call A-B is in the Active call state
	and the call A-C is in the Call Deliv	vered State - Call Held auxiliary state, a connection
	between user B and user C is established and the calls	
	A-B and A-C are released. When network C receives a CONNECT message from user C,	
	network C shall proceed with the basic call procedure for the user C. The call clearing	
	procedure of the B-C connection is	performed from user C.
Parameter values:	BC = PIXIT	
Comments:		

212005	ISDN ref. to:	Other relevant ref.:		
212000	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2		
	clauses 9.2.1, 9.2.3 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.7		
	Clauses 9.2.1, 9.2.3 and 9.2.4			
		ITU-T Q.1912.5 [35] annex B.8		
		ETSI TS 129 163 [40], clause 7.4.8		
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/ECT/212005		
Selection criteria:	ECT using explicit linkage, (A-E	ECT using explicit linkage, (A-B Active, Call Held) - Transfer after answer		
Test purpose:	User A is in network N1 and is p	User A is in network N1 and is provided with ECT using explicit linkage. User B and user		
	C are in network N2.	C are in network N2.		
	Ensure that when user A invokes	Ensure that when user A invokes ECT in which the call A-B is in the Active call state -		
	Call Held auxiliary state and the call A-C is in the Active call state a connection			
	between user B and user C is established and the calls A-B and A-C are released. The			
	call clearing procedure of the B-0	call clearing procedure of the B-C connection is performed from user B. (user B and user		
	C have presentation allowed - no COLR)			
Parameter values:	BC = PIXIT			
_	DC = FIAIT			
Comments:				

	-		
212006	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
	clause 9	ETSI TS 183 036 [42], clause 5.2.7	
		ITU-T Q.1912.5 [35] annex B.8	
		ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/ECT/212006	
Selection criteria:	ECT using explicit linkage (A-C Alerting) - Transfer while alerting		
Test purpose:	User A is in network N1 and is provided with ECT using explicit linkage. User B and user		
	C are in network N2.		
	Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call state -</b>		
	Call Held auxiliary state and the call A-C is in the Call Delivered State a connection		
	between user B and user C is established and the calls A-B and A-C are released. When		
	network C receives a CONNECT message from user C, network C shall proceed with the		
	basic call procedure for the user C.		
	The call clearing procedure of the B-C connection is performed from user B.		
Parameter values:	BC = PIXIT		
Comments:			

212007	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19], clause 9	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		ITU-T Q.1912.5 [35] annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servic	es/ECT/212007
Selection criteria:	ECT using explicit linkage, (A-C Ale	erting, Call Held) - Transfer while alerting
Test purpose:	User A is in network N1 and is provided with ECT using explicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes E	ECT in which the call <b>A-B</b> is in the <b>Active call state</b>
	and the call A-C is in the Call Deliv	vered State - Call Held auxiliary state, a connection
	between user B and user C is esta	blished and the calls A-B and A-C are released. When
	network C receives a CONNECT message from user C, network C shall proceed with the	
	basic call procedure for the user C. The call clearing procedure of the B-C connection is	
	performed from user C.	
Parameter values:	BC = PIXIT	
Comments:		

212008	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
	clause 10, figure A.11	ETSI TS 183 036 [42], clause 5.2.7	
	_	ITU-T Q.1912.5 [35] annex B.8	
		ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_s	services/ECT/212008	
Selection criteria:	- ECT.		
	- Served user in private Is	- Served user in private ISDN, Call transfer performed in the public ISDN after	
	answer.		
Test purpose:	User A is in the private network, Call transfer performed in the public N1 provided with ECT. User B and user C are in network N2.		
		kes ECT in which the calls <b>A-B</b> and <b>A-C</b> are in the <b>Active</b>	
	call state a connection between user B and user C is established and the calls A-B and		
		A-C are released. The call clearing procedure of the B-C connection is performed from	
	user B.	realing procedure of the 2-0 common to perform a front	
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

212009	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
	clause 10, figure A.12	ETSI TS 183 036 [42], clause 5.2.7	
		ITU-T Q.1912.5 [35] annex B.8	
		ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_servic	es/ECT/212009	
Selection criteria:	- ECT.		
	<ul> <li>Served user in private ISDN,</li> </ul>	Call transfer performed in the public ISDN.	
Test purpose:	User A is in the private network, Call transfer performed in the public N1 provided with		
	ECT. User B and user C are in network N2.		
	Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call state</b>		
	and the call <b>A-C</b> is in the <b>Call Delivered State</b> a connection between user B and user C		
	is established and the calls A-B and A-C are released. When network C receives a		
	CONNECT message from user C, network C shall proceed with the basic call procedure		
	for the user C.		
	The call clearing procedure of the I	B-C connection is performed from user B.	
Parameter values:	BC = PIXIT		
Comments:			

212010	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
	clause 10	ETSI TS 183 036 [42], clause 5.2.7
		ITU-T Q.1912.5 [35] annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/ECT/212010
Selection criteria:	- ECT (A-B Active, Call Held)	- Transfer after answer.
	- The served user A and the	remote user C belongs to a private ISDN.
Test purpose:	User A and use C are in network N1. User A is provided with ECT. User B is in network	
	N2.	
	Ensure that when user A invokes ECT in which the calls <b>A-B</b> and <b>A-C</b> are in the <b>Active call state</b> a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from	
	user B.	
Parameter values:	BC = PIXIT	
Comments:		

212011	SDN ref. to:   Other relevant ref.:   ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2   ETSI TS 183 036 [42], clause 5.2.7   ITU-T Q.1912.5 [35] annex B.8   ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_services/ECT/212011	
Selection criteria:	<ul> <li>ECT using implicit linkage, (A-C Active, Call Held) - Transfer after answer.</li> <li>User B and C are connected to a private ISDN.</li> </ul>	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call sate</b> and the call <b>A-C</b> is in the <b>Active call state - Call Held auxiliary state</b> , a connection between user B and user C is established and the calls A-B and A-C are released.  The call clearing procedure of the B-C connection is performed from user C.	
Parameter values:	BC = PIXIT	
Comments:	After transfer, the public network shall send a FACILITY message to the private network using the call reference of the call to the private network user. The FACILITY message shall contain a Facility information element with an EctInform invoke component indicating other call is "active" and containing the redirectionNumber parameter. If the private network wants to send its user's subaddress to the other user, the private network shall send a FACILITY message with a Facility information element containing the SubaddressTransfer invoke component with the subaddress to the public network. The public network shall convey the subaddress to the other user by sending a FACILITY message that user or to the private network depending on the user's location. If transfer occurs before call completion, then when the public network is informed that the other remote user has answered the call, the public network shall send a FACILITY message to the private network using the call reference of the call to the remote user.	
	The FACILITY message shall contain:	

212012	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
	clause 9	ETSI TS 183 036 [42], clause 5.2.7
		ITU-T Q.1912.5 [35] annex B.8
		ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_service	es/ECT/212012
Selection criteria:	- ECT using implicit linkage, (A	A-C Alerting) - Transfer while alerting.
	- User B and C are connected	to a private ISDN.
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user	
	C are in network N2.	
	Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call state -</b>	
	Call Held auxiliary state and the call A-C is in the Call Delivered State a connection	
	between user B and user C is established and the calls A-B and A-C are released. When	
	network C receives a CONNECT message from user C, network C shall proceed with the	
	basic call procedure for the user C.	
	The call clearing procedure of the E	B-C connection is performed from user B.
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.21 CCBS

212101	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/CCBS/212101	
Selection criteria:		orting the CCBS supplementary service and this	
	supplementary service i		
		t the coincident S and T reference point.	
	<ul> <li>Recall option = PIXIT.</li> </ul>		
		, user B is in network N2.	
Test purpose:	Ensure that user A can establish	sh a successful CCBS call setup if a multipoint	
	configuration exits.		
Parameter values:	BC = PIXIT		
Comments:	The network N1 in the Disconnect Indication call state N12 and CCBS Idle state and		
		Retention Active state for CCBS, on receipt of a FACILITY message containing a Facility	
	information element with a CCBSRequest invoke component including the CallLinkageID,		
	sends a FACILITY message containing a Facility information element with a CBSRequest return result component including the CCBSReference and recallMode.		
		state N00 and CCBS Activated state in order to indicate	
		ment of the requested call, sends a FACILITY message (UI	
		ormation element with a CCBSRemoteUserFree invoke	
		Mode, cCBSReference, addressOfB and q931InfoElement.	
		te N00 and CCBS Free state, on receipt of a SETUP	
		pability information element(s) from the original call and a	
		th a CCBSCall invoke component including the	
		iously sent CCBSRemote UserFree invoke component,	
		ocedures using the retained call information and moves to	
	call state N01.	-	
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212102	ISDN ref. to: ETSI EN 300 359-1 [27], clauses 9.4.3.1 and 9.4.4.1	Other relevant ref.: ETSI EN 300 356-1 [18] ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_serv	ices/CCBS/212102
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>User A is in network N1, user B is in network N2.</li> </ul>	
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING message User A receives an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
Parameter values:	BC = PIXIT	
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with an ALERTING message, sends an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N04.	

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212103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 359-1 [27],	ETSI EN 300 356-1 [18]
	clauses 9.2.1 and 9.4.4.1	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_s	ervices/CCBS/212103
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.	
	<ul> <li>Signalling procedure</li> </ul>	es at the coincident S and T reference point.
	- User A is in network	N1, user B is in network N2.
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a CONNECT message, user A receives a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified.	
Parameter values:	BC = PIXIT	
Comments:	The network N1 in the Outgoing call proceeding call state N03 and CCBS Call Init state, to indicate that user B has responded to the call with a CONNECT message, sends a CONNECT message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified" and enters the call state N10.	

212104	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 359-1 [27],	ETSI EN 300 356-1 [18]
	clauses 9.2.1 and 9.4.4.1	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCBS/212104
Selection criteria:		ting the CCBS supplementary service and this
	supplementary service is	
	<ul> <li>Signalling procedures at t</li> </ul>	he coincident S and T reference point.
	- User A is in network N1, user B is in network N2.	
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS Activated state the	
	user can initiate the user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS Activated	
	state), on receipt of a FACILITY message containing a Facility information element with a	
	CCBSDeactivate invoke component including the correct CCBSReference parameter,	
	sends to user A a FACILITY message containing a Facility information element with a	
	CCBSDeactivate return result component with CCBSEraseReason indicating	
	"normal-unspecified" and a Facility message containing a Facility information element	
	with a CCBSerase invoke compon	ent.

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212105	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCBS/212105
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A	
		the coincident S and T reference point
	- User A is in network N1,	
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS free state the user	
	can initiate the deactivation proced	dure.
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the ne	twork A is in the call state N00 and CCBS free state),
	on receipt of a FACILITY message	e containing a Facility information element with a
	CCBSDeactivate invoke compone	nt including the correct CCBSReference parameter,
		age containing a Facility information element with a
		nponent with CCBSEraseReason indicating "normal-
	unspecified" and a Facility message	ge containing a Facility information element with a
	CCBSerase invoke component.	

212106	ISDN ref. to: ETSI EN 300 357 [28], clause 6.3.1.1 ETSI EN 300 359-1 [27], clause 9.1.2	Other relevant ref.: ETSI EN 300 356-1 [18] ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/CCBS/212106
Selection criteria:	<ul> <li>OLEand DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>User A is in network N1, user B is in network N2.</li> </ul>	
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS supplementary service is not available to the destination. The user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "longTermDenial".	
Parameter values:	BC = PIXIT	
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "longTermDenial".	

212107	ISDN ref. to:	Other relevant ref.:
212107		
	ETSI EN 300 357 [28],	ETSI EN 300 356-1 [18]
	clause 6.3.1.1	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
	ETSI EN 300 359-1 [27],	ETSI TS 183 036 [42], clause 5.2.14
	clause 9.1.2	ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_ser	vices/CCBS/212107
Selection criteria:		ting the CCBS supplementary service and this
	supplementary service is	available to user A.
	- Signalling procedures at the coincident S and T reference point.	
	<ul> <li>User A is in network N1,</li> </ul>	user B is in network N2.
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS	
	supplementary service is not av	ailable to the destination at this time.
Parameter values:	BC = PIXIT	
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a	
	FACILITY message containing a Facility information element with a CCBSRequest invo	
		nkageID, but CCBS is not available to the destination at
	this time, the user A receives a FACILITY message containing a Facility information	
		eturn error component indicating "shortTermDenial".

212108	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CCBS/212108
Selection criteria:		are supporting the CCBS supplementary service and this
	supplementary service is a	vailable to user A.
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCBS processing.	
Parameter values:	BC = PIXIT	
Comments:		

212109	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CCBS/212109	
Selection criteria:		are supporting the CCBS supplementary service and this	
	supplementary service is a	vailable to user A.	
	- Signalling procedures at the coincident S and T reference point.		
	<ul> <li>Recall option = PIXIT.</li> </ul>		
Test purpose:		Ensure that if network A cannot accept the request because no B-cannel can be selected,	
	network A shall suspend the CCB	S request at network B.	
Parameter values:	BC = PIXIT		
Comments:	Ensure that network A in the CCB	S free state on receipt of SETUP message containing	
	Bearer capability information element from the original call and a Facility information		
	element with a CCBSCall invoke component including the CCBSReference from the		
	previously sent CCBSRemoteUserFree invoke component, when no B-channels can be		
	selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or		
	#43 and moves to call state N00.	Furthermore, network A shall suspend the CCBS	
	request at network B.		

212110	ISDN ref. to:  ETSI EN 300 359-1 [27]  Other relevant ref.:  ETSI EN 300 356-1 [18]  ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2  ETSI TS 183 036 [42], clause 5.2.14  ITU-T Q.1912.5 [35], annex B.11  ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_services/CCBS/212110	
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>The network option "CCBS request retention" is set to "yes".</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing and Network B shall resume monitoring user B for being not busy.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT not containing a Facility information element with a CCBSErase invoke component.  Network B shall resume monitoring user B for being not busy.	

212111	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCBS/212111
Selection criteria:	- Network A and network B a	re supporting the CCBS supplementary service and this
	supplementary service is av	railable to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
	<ul> <li>Network option "CCBS requ</li> </ul>	uest retention" is set to "no".
	<ul> <li>Multipoint configuration.</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call cl	earing User A can activate the CCBS supplementary
	service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init	
	State, where a multipoint configuration exists, if network B cannot establish the call	
	because user B is busy again, the network A sends to user A a DISCONNECT or	
	RELEASE COMPLETE message containing a Facility information element with a	
	CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message	
	(UI frame) containing a Facility info	ormation element with a CCBSErase invoke component
	including CCBSEraseREason enc	oded as "basic-call-failed.
	User A can activate the CCBS sup	plementary service again.

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212112	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CCBS/212112	
Selection criteria:	<ul> <li>Network A and network B ar</li> </ul>	e supporting the CCBS supplementary service and this	
	supplementary service is av	ailable to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	coincident S and T reference point.	
	- Network option "CCBS request retention" is set to "no".		
	- Multipoint configuration.		
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init		
	State, where a multipoint configuration exists, if network B cannot establish the call for		
	any reason other than the called user is busy, the network A sends to user A a		
	DISCONNECT message containing a Facility information element with a CallInfoRetain		
	invoke component including a CallLinkageID sends a FACILITY message (UI frame)		
	containing a Facility information element with a CCBSErase invoke component including		
	CCBSEraseREason encoded as "basic-call-failed.		
	User A can activate the CCBS supplementary service again.		
Parameter values:	BC = PIXIT	,	
Comments:			

212113	ISDN ref. to: ETSI EN 300 359-1 [27]	Other relevant ref.: ETSI EN 300 356-1 [18] ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_s	
Selection criteria:	supplementary service	B are supporting the CCBS supplementary service and this     is available to user A.     at the coincident S and T reference point.
Test purpose:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a multipoint configuration exists, on receipt of a DISCONNECT message from the served user the network A sends to user A a RELEASE COMPLETE message and a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed.	
Parameter values:	BC = PIXIT	
Comments:		

212114	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 359-1 [27],	ETSI EN 300 356-1 [18]		
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2		
		ETSI TS 183 036 [42], clause 5.2.14		
		ITU-T Q.1912.5 [35], annex B.11		
		ETSI TS 129 163 [40], clause 7.4.11		
TSS reference:	ISDN-ISDN/Supplementary_s	services/CCBS/212114		
Selection criteria:		N ( 1 A 1 ( 1 B ) ( 4 OODO 1 ( ) 1 d )		
	supplementary service	supplementary service is available to user A.		
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.		
Test purpose:		Ensure that the network A in the Null call state and CCBS Free state, where a multipoint		
	configuration exists, and the T-CCBS3 expires, the network A sends to user A a			
	FACILITY message (UI frame) containing a Facility information element with a			
	CCBSErase invoke compone	CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-		
	timout".			
Parameter values:	BC = PIXIT			
Comments:				

212115	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
	, ,	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCBS/212115
Selection criteria:	- Network A and network B a	re supporting the CCBS supplementary service and this
	supplementary service is av	ailable to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	T reference point at both ends.
Test purpose:	Ensure that network A can initiate	a CCBS call to Network B.
Parameter values:	BC = PIXIT	
Comments:	state Null call state) to indicate tha RELEASE COMPLETE) message element with CCBS-T-Available in The network A on receipt of a REG element with a CCBS-T-Request in parameter set to TRUE receives a with a CCBS-T-Request return res retentionSupported set to TRUE. To indicate that the destination has containing a Facility information elecomponent.  On receipt of SETUP message cororiginal call and a Facility information.	SISTER message containing a Facility information nooke component including the retentionSupported FACILITY message with a Facility information element ult component including the parameter become not busy user A receives a FACILITY ement with a CCBS-T-RemoteUserFree invoke nataining Bearer capability information element from the ion element with a CCBSCall invoke component in the previously sent CCBS-T-RemoteUserFree invoke

212116	ISDN ref. to: ETSI EN 300 359-1 [27]	Other relevant ref.: ETSI EN 300 356-1 [18]
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14
		ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCBS/212116
Selection criteria:	<ul> <li>Network A and network B ar supplementary service is av</li> </ul>	re supporting the CCBS supplementary service and this allable to user A
	- Signalling procedures at the	T reference point at both ends.
Test purpose:	Ensure that the public network can available to the destination at this t	not accept the CCBS request because CCBS is not ime.
Parameter values:	BC = PIXIT	-
Comments:	state Null call state) to indicate that RELEASE COMPLETE) message information element with CCBS-T-/On receipt of a (network A is in the containing a Facility information elements of the supplementary service CCBS is The user A receives a FACILITY message with clause #3	In the Outgoing Call Proceeding and in the CCBS Idle to user B is busy sends to user A DISCONNECT (or with clause #17 or #34, containing a Facility Available invoke component at this time.  I call state N00, CCBS Idle state) REGISTER message ement with a CCBS-T-Request invoke component but is not available at this time to the destination.  I ressage containing a Facility information element with a ment indicating "shortTermDenial" and then receives a containing a Facility information or receives a containing a Facility information element with a ment indicating "shortTermDenial".

212117	ISDN ref. to: ETSI EN 300 359-1 [27]	Other relevant ref.: ETSI EN 300 356-1 [18] ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_serv	
Selection criteria:	supplementary service is	are supporting the CCBS supplementary service and this available to user A. he T reference point at both ends.
Test purpose:	Ensure that the public network ca available to the destination.	annot accept the CCBS request because CCBS is not
Parameter values:	BC = PIXIT	
Comments:	state Null call state) to indicate the RELEASE COMPLETE) message information element with CCBS-On receipt of a (network A is in the containing a Facility information the supplementary service CCBS The user A receives a FACILITY CCBSRequest return error compression of the complementary service RELEASE message with clause RELEASE message with clause	e in the Outgoing Call Proceeding and in the CCBS Idle nat user B is busy sends to user A DISCONNECT (or ge with clause #17 or #34, containing a Facility T-Available invoke component. The call state N00, CCBS Idle state) REGISTER message element with a CCBS-T-Request invoke component but is is not available to the destination. The message containing a Facility information element with a conent indicating "longTermDenial" and then receives #31 to clear the signalling connection or receives a #31 containing a Facility information element with a conent indicating "longTermDenial".

	•		
212118	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/CCBS/212118	
Selection criteria:	<ul> <li>Network A and networ</li> </ul>	- Network A and network B are supporting the CCBS supplementary service and this	
	supplementary service	supplementary service is available to user A.	
	- Signalling procedures	<ul> <li>Signalling procedures at the T reference point at both ends.</li> </ul>	
Test purpose:	Ensure that the user in netwo	Ensure that the user in network A which is the CCBS Activated state, in order to	
	deactivate the CCBS request	deactivate the CCBS request sends a RELEASE message with clause value #31.	
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

212119	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCBS/212119	
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this		
	supplementary service is available to user A		
	- Signalling procedures at the T reference point at both ends.		
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when user B has responded to the call with a ALERTING followed by a CONNECT message user A receives an ALERTING message followed by a CONNECT message.		
Parameter values:	BC = PIXIT		
Comments:			

212120	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_ser	vices/CCBS/212120	
Selection criteria:	- Network A and network B are supporting the CCBS supplementary service and this		
	supplementary service is	available to user A.	
	- Signalling procedures at the T reference point at both ends.		
	- The network option "CCBS request retention" is set to "yes".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
	B is proceeding with normal call clearing and Network B shall resume monitoring user B		
	for being not busy.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init		
	State, if network B cannot estab	lish the call because user B is busy again, the network A	
		T containing a CCBS-T-Available invoke component.	
	Network B shall resume monitor	ring user B for being not busy.	

212121	ISDN ref. to:	Other relevant ref.:		
212121	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]		
	2101211 300 303 1 [27]	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2		
		ETSI TS 183 036 [42], clause 5.2.14		
		ITU-T Q.1912.5 [35], annex B.11		
		ETSI TS 129 163 [40], clause 7.4.11		
TSS reference:	ISDN-ISDN/Supplementary_s			
Selection criteria:		Network A and network D are competitive the OODO complementary and their		
		supplementary service is available to user A.		
	- Signalling procedures at the T reference point at both ends.			
	- Network option "CCBS	request retention is set to "no".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network			
	B is proceeding with normal call clearing User A can activate the CCBS supplementary			
	service again.			
Parameter values:	BC = PIXIT			
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init			
	State, if network B cannot establish the call because user B is busy again, the network A			
		sends to user A a DISCONNECT message containing a Facility information element with		
	a CCBS-T-Available invoke co			

# 6.2.2.22 CCNR

212201	ISDN ref. to: Other relevant ref.:   ETSI EN 301 065-1 [29]   ITU-T Q.699 [24] clause 3.1.2, clause 3.2.2   ETSI TS 183 036 [42], clause 5.2.15   ITU-T Q.1912.5 [35], annex B.12   ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_services/CCNR/212201
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Recall option = PIXIT.</li> <li>Point-to-multipoint configuration applies.</li> </ul>
Test purpose:	Ensure that when user A has an ALERTING indication received from user B, user A can activate CCNR and establish a successful CCNR call setup if a point-to-multipoint configuration applies.
Parameter values:	BC = PIXIT
Comments:	User A has an ALERTING indication received from user B. Network A shall retain the CCNR available indication determined by user B. (The network is in the call state N4 and in the Retain Active and CCNR Idle state).  On receipt of FACILITY message containing a Facility information element with a CCNRRequest invoke component including the callLinkageID parameter. The network sends a DISCONNECT message containing a Cause information element indicating cause value #31 "normal unspecified" and a FACILITY message with the dummy call reference containing a Facility information element with CCNRRrequest return result component. (The network is in the CCNR Activated state). Is user A neither busy nor CCBS busy on receipt of a RemoteUserFree invoke component from the network B, the Network A shall send to user A a FACILITY message containing a Facility information element with a CCBSremoteUserFree invoke component (the network is in the CCNR free state).  On receipt of SETUP message containing Bearer capability information element(s) from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSStopAlerting invoke component including the CCBSReference followed by a CALL PROCEEDING message.

212202	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:		the CCNR supplementary service and this
	supplementary service is ava	
		coincident S and T reference point.
	- Recall option = PIXIT.	
_	- Point-to-multipoint configura	
Test purpose:		ntary service is not activated and the call is cleared user A, user A can activate CCNR and establish a
	successful CCNR call setup if a poi	nt-to-multipoint configuration applies.
Parameter values:	BC = PIXIT	
Comments:		

212203	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCNR/212203
Selection criteria:		the CCNR supplementary service and this
	supplementary service is ava	
		coincident S and T reference point.
Test purpose:	Ensure that user A in the call proceeding call state and in the CCNR Call init state, when user B has responded to the call with a CONNECT message, user A receives a CONNECT message. Has the CCNR request not been deactivated, the user receives a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
Parameter values:	BC = PIXIT	
Comments:		

212204	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-ISDN/Supplementary_s	ervices/CCNR/212204
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that when the network A is in the call state N00 and <b>CCNR Activated state</b> , the user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	state), on receipt of a FACILICCBSDeactivate invoke comp	e network A is in the call state N00 and CCNR Activated TY message containing a Facility information element with a conent including the correct CCBSReference parameter, nessage containing a Facility information element with a component.

212205	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/CCNR/212205	
Selection criteria:		ng the CCBS supplementary service and this	
	supplementary service is		
		he coincident S and T reference point.	
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCBS		
	supplementary service is not ava	ailable to the destination.	
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and	CCNR Idle state and Retain Active State, on receipt of a	
	FACILITY message containing a Facility information element with a CCNRRequest		
	invoke component including the CallLinkageID, but CCBS is not available to the		
	destination, the user A receives a FACILITY message containing a Facility information		
	element with a CCBSRequest re	turn error component indicating "shortTermDenial" or	
	"longTermDenial".		

212206	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCNR/212206
Selection criteria:		e supporting the CCBS supplementary service and this
	supplementary service is ava	
		coincident S and T reference point.
Test purpose:		d that user B is not busy and user A is busy, the
	network A shall inform user A by se	ending a CCBSFree invoke component to user A and
	suspend CCNR processing.	
Parameter values:	BC = PIXIT	
Comments:		

212207	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212207
Selection criteria:	<ul> <li>Network A and network B a</li> </ul>	re supporting the CCBS supplementary service and this
	supplementary service is av	/ailable to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
	<ul> <li>Recall option = PIXIT.</li> </ul>	·
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can be selected,	
	network A shall suspend the CCN	
Parameter values:	BC = PIXIT	
Comments:	Bearer capability information elemelement with a CCBSCall invoke of previously sent CCBSRemoteUse selected, the network A sends to use the control of the co	R free state on receipt of SETUP message containing tent from the original call and a Facility information component including the CCBSReference from the rFree invoke component, when no B-channels can be user a RELEASE COMPLETE with the cause #34 or Furthermore, network A shall suspend the CCNR

212208	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_se	rvices/CCNR/212208	
Selection criteria:	<ul> <li>Network A and network</li> </ul>	B are supporting the CCBS supplementary service and	
	this supplementary ser	vice is available to user A.	
	<ul> <li>Signalling procedures a</li> </ul>	at the coincident S and T reference point.	
	- The network option "Co	CBS request retention" is set to "yes".	
Test purpose:	Ensure that if network B canno	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal ca	Il clearing and Network B shall resume monitoring user B	
	for being not busy.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init		
	State, if network B cannot establish the call because user B is busy again, the network A		
	sends to user A a DISCONNECT not containing a Facility information element with a		
	CCBSErase invoke component		
	Network B shall resume monito	oring user B for being not busy.	

212209	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 301 065-1 [29]	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2		
		ETSI TS 183 036 [42], clause 5.2.15		
		ITU-T Q.1912.5 [35], annex B.12		
		ETSI TS 129 163 [40], clause 7.4.12		
TSS reference:	ISDN-ISDN/Supplementary_serv			
Selection criteria:	<ul> <li>Network A and network E</li> </ul>	are supporting the CCBS supplementary service and		
	this supplementary service	ce is available to user A.		
	<ul> <li>Signalling procedures at</li> </ul>	the coincident S and T reference point.		
	<ul> <li>Network option "CCBS re</li> </ul>	equest retention" is set to "no".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network			
	B is proceeding with normal call of	B is proceeding with normal call clearing User A can activate the CCNR supplementary		
	service again.			
Parameter values:	BC = PIXIT			
Comments:		Outgoing Call Proceeding state and CCNR Call Init		
	State, if network B cannot establi	sh the call because user B is busy again, the network A		
	sends to user A DISCONNECT message containing a Facility information element with a			
	CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message			
	containing a Facility information e	element with a CCBSErase invoke component including		
	CCBSEraseReason encoded as	"basic-call-failed.		
	User A can activate the CCNR su	ipplementary service again.		

212210	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.4.1.2	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CCNR/212210	
Selection criteria:	<ul> <li>Network A and network</li> </ul>	Network A and network B are supporting the CCNR supplementary service and	
		ervice is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	s at the coincident S and T reference point.	
Test purpose:	Ensure that the network A in	Ensure that the network A in the Null call state and CCNR Free state and the T-CCBS3	
		expires. The network A sends to user A a FACILITY message containing a Facility	
	information element with a Co	information element with a CCBSErase invoke component including CCBSEraseREason	
	encoded as "t-CCBS3-timout		
Parameter values:	BC = PIXIT		
Comments:			

212211	ISDN ref. to:	Other relevant ref.:
212211	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 10.2.2	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
	clause 10.2.2	
		ETSI TS 183 036 [42], clause 5.2.15
		ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:		are supporting the CCBS supplementary service and
	this supplementary service	
	<ul> <li>Signalling procedures at th</li> </ul>	ne <b>T</b> reference point at both ends.
Test purpose:	Ensure that network A can initiate a	a CCNR call to Network B.
Parameter values:	BC = PIXIT	
Comments:	state Null call state) to indicate that ALERTING message, containing a invoke component.  The network A on receipt of a REG element with a CCNR-T-Request in parameter set to TRUE receives a with a CCNR-T-Request return res retentionSupported set to TRUE. To indicate that the destination has containing a Facility information elecomponent.  On receipt of SETUP message cororiginal call and a Facility informati including the CCBSReference from	In the Outgoing Call Proceeding and in the CCBS Idle to user reached the alerting state B sends user A a Facility information element with CCBS-T-Available SISTER message containing a Facility information invoke component including the retention Supported FACILITY message with a Facility information element outly component including the parameter is become not busy user A receives a FACILITY element with a CCBS-T-RemoteUserFree invoke intaining Bearer capability information element from the on element with a CCBSCall invoke component in the previously sent CCBS-T-RemoteUserFree invoke itiate a CCBS call to Network B and sends a CALL

212212	ISDN ref. to: ETSI EN 300 138-1 [7], clause 10.1.2.2	Other relevant ref.: ETSI EN 300 356-1 [18] ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 ITU-T Q.1912.5 [35], annex B.12
TSS reference:	ISDN-ISDN/Supplementary_service	ETSI TS 129 163 [40], clause 7.4.12 es/CCNR/212212
Selection criteria:	Network A and network B this supplementary service	are supporting the CCNR supplementary service and
Test purpose:	Ensure that the public network can available to the destination at this	not accept the CCNR request because CCNR is not ime.
Parameter values:	BC = PIXIT	
Comments:	state Null call state) to indicate tha ALERTING message, containing a invoke component.  The network A on receipt of a REG element with a CCNR-T-Request in CCNR is not available at this time. The user A receives a RELEASE results in the content of the content o	In the Outgoing Call Proceeding and in the CCBS Idle to user reached the alerting state B sends user A a Facility information element with CCBS-T-Available SISTER message containing a Facility information invoke component but the supplementary service to the destination.  In the Outgoing Call Proceeding and in the CCBS Idle Idle Idle Idle Idle Idle Idle Idle

212213	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 10.1.2.2	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_servi	ces/CCNR/212213	
Selection criteria:	<ul> <li>Network A and network B</li> </ul>	are supporting the CCNR supplementary service and	
	this supplementary servic		
	<ul> <li>Signalling procedures at t</li> </ul>	he T reference point at both ends.	
Test purpose:	Ensure that the public network cannot accept the CCNR request because CCNR is not		
	available to the destination.		
Parameter values:	BC = PIXIT		
Comments:		in the Outgoing Call Proceeding and in the CCBS Idle	
	state Null call state) to indicate that user reached the alerting state B sends user A a		
	ALERTING message, containing a Facility information element with CCBS-T-Available		
	invoke component.		
	The network A on receipt of a REGISTER message containing a Facility information		
	element with a CCNR-T-Request invoke component but the supplementary service		
	CCNR is not available at this time to the destination.		
	The user A receives a RELEASE message containing a Facility information element with a CCNRRequest return error component indicating "longTermDenial".		
L		<u> </u>	

212214	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2	
	clause 10.1.7.1	ETSI TS 183 036 [42], clause 5.2.15	
		ITU-T Q.1912.5 [35], annex B.12	
		ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CCNR/212214	
Selection criteria:	<ul> <li>Network A and network B are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at both ends.</li> </ul>		
Test purpose:	Ensure that user A receiving a FACILITY message containing a Facility information element with a CCBS-T-RemoteUserFree invoke component, in order to deactivate the		
	CCNR sends a RELEASE message with cause value #31.		
Parameter values:	BC = PIXIT		
Comments:			

212215	ISDN ref. to: ETSI EN 301 065-1 [29], clause 10.1.6.2	Other relevant ref.: ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 ITU-T Q.1912.5 [35], annex B.12 ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CCNR/212215	
Selection criteria:	Network A and netwo this supplementary se     Signalling procedures	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at both ends.</li> <li>The network option "CCBS request retention" is set to "yes".</li> </ul>	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing and Network B shall resume monitoring user B for being not busy.		
Parameter values:	BC = PIXIT		
Comments:			

212216	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29],	ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2
	clause 10.1.6.2	ETSI TS 183 036 [42], clause 5.2.15
		ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CCNR/212216
Selection criteria:	- Network A and network B are supporting the CCNR supplementary service and	
	this supplementary service is available to user A.	
	<ul> <li>Signalling procedures at the T reference point at both ends.</li> </ul>	
		quest retention" is set to "no".
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call clearing User A can activate the CCNR supplementary	
	service again.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.2.23 Comb

212301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 195-1 [20], clause 5	
TSS reference:	ISDN-ISDN/Supplementary_services/Comb/212301	
Selection criteria:	The calling user is provided with COLP, UUS1 implicit request and belong to a CUG with	
	outgoing access allowed, the called user is provided with CLIP and SUB.	
Test purpose:	Ensure that when Calling party number is provided by the calling user with Calling party subaddress, Called party subaddress and User-user information elements, all the information elements are correctly delivered to the called user in the SETUP message sent by the network to the called user and when the Connected number is provided by the called user with Connected subaddress and User-user information elements, all the information elements are correctly delivered in the CONNECT message sent by the network to the calling user.	
Parameter values:	BC = speech, HLC = telephony, UI length = 32, SI = UPVP	
Comments:		

212302	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 195-1 [20],	
	clauses 5.29 and clause 5.27	
TSS reference:	ISDN-ISDN/Supplementary_service	es/Comb/212302
Selection criteria:	The calling user is provided with COLP, UUS1 implicit request, the called user is provided	
	with CLIP and CFU, the forwarded-	to user is provided with CLIP.
Test purpose:	Ensure that when Calling party number is provided by the calling user with Calling party subaddress and User-user information elements, all the information elements are correctly transferred to the forwarded-to user and delivered in the SETUP message sent by the network to the forwarded-to user without any bearer/teleservice change, and when the Connected number is provided by the forwarded-to user with Connected subaddress and User-user information elements, all the information elements are correctly delivered in the CONNECT message sent by the network to the calling user.	
Parameter values:	BC = speech, HLC = telephony, UI	length = 32, SI = UPVP
Comments:		

212303	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 195-1 [20], clause 5	
TSS reference:	ISDN-ISDN/Supplementary_service	es/Comb/212303
Selection criteria:	The called user is Freephone subs	criber provided with CLIP.
Test purpose:	Ensure that when Calling party number is provided by the calling user, the Calling party number information element is delivered correctly to the called user.	
Parameter values:	BC = speech, SI = UPVP	
Comments:		

#### 6.2.2.24 DDI

212401	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clause 5.1.5.1	
TSS reference:	ISDN-ISDN/ Supplementary_service	ces /DDI/212401
Selection criteria:	<ul><li>en-bloc sending at user A;</li><li>DDI at user B.</li></ul>	
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly when user B supports DDI.	
Parameter values:	BC = PIXIT	
Comments:	The network in the Null call state N00, to indicate an incoming call and <b>the full ISDN number</b> is available, transmits to user B SETUP message with a valid Called party  number information element with the numbering plan Identification field set to  "ISDN/telephony numbering plan" and type of number field set to "unknown" with the DDI  digits contained in the number digits field.	

212402	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clause 5.1.5.2	
TSS reference:	ISDN-ISDN/ Supplementary_service	ces /DDI/212402
Selection criteria:	<ul> <li>Overlap sending at user A.</li> </ul>	
	- DDI at user B.	
Test purpose:	Ensure that call establishment usin	g overlap sending is performed correctly when user B
	supports DDI.	
Parameter values:	BC = PIXIT	
Comments:	The network in the call state N25 to indicate that an INFORMATION message received	
	from the originating network contained a Called party number information element with	
	the full ISDN number including DDI digits and a Sending complete information	
	element is to be sent to the called user, transmits to user B an INFORMATION message	
	with a valid Called party number information element with the numbering	
	plan identification field set to "ISDN/telephony numbering plan" and type of number field	
	set to "national number", "internation	onal number" or "subscriber number" with the full ISDN
	number including DDI digits contained in the number digits field.	

# 6.2.3 Test purposes for ISDN-ISDN, B-channel end-to-end performance

300101	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	
TSS reference:	ISDN-ISDN/B-channel/Speech/300	0101
Selection criteria:		
Test purpose:	To ensure that speech transfer on the B-channel is performed correctly.	
Parameter values:	BC = speech	
Comments:		

300201	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI ETS 300 289 [21]
TSS reference:	ISDN-ISDN/B-channel/UDI/300	201
Selection criteria:		
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hours period:  - the number of eroded seconds shall be less than 5 324;  - the number of severely eroded seconds shall be less than 105;  - the number of octet slips shall be less than 5.	
Parameter values:	BC = UDI, PRBS = 211-1	
Comments:	Each direction shall be tested separately	

300301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	
TSS reference:	ISDN-ISDN/B-channel/Audio/30030	01
Selection criteria:		
Test purpose:	To ensure that 3,1 kHz signal trans	fer on the B-channel is performed correctly.
Parameter values:	BC = 3,1 kHz audio	
Comments:		

300401	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI ETS 300 289 [21]
TSS reference:	ISDN-ISDN/B-channel/UDI-TA/300401	
Selection criteria:		
Test purpose:	To verify compliance with the requirements for error and octet slip for the first or the last continuous 24 hours period:  - the number of eroded seconds shall be less than 5 324;  - the number of severely eroded seconds shall be less than 105;  - the number of octet slips shall be less than 5.	
Parameter values:	BC = UDI/TA, PRBS = 211-1	
Comments:	Each direction shall be tested separately.	

# 6.2.4 Test purposes for ISDN-PSTN, Basic call

## 6.2.4.1 Successful-Speech

Successful	
Speech	

410101	ISDN ref. to: ETSI EN 300 403-1 [1], clause 5.1.6	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], cause 3.2 ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Speech/410101	
Selection criteria:			
Test purpose:	Ensure that the call establishment using en-bloc sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = speech, no HLC		
Comments:			

410102	ISDN ref. to: ETSI EN 300 403-1 [1], clause 5.1.6	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], cause 3.2 ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful	
Selection criteria:		
Test purpose:	Ensure that the call establishment using overlap sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".	
Parameter values:	BC = speech, no HLC	
Comments:		

410103	ISDN ref. to: ETSI EN 300 403-1 [1], clause 5.3.3	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], cause 3.2 ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Speech/410103	
Selection criteria:		•	
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer		
Parameter values:	BC = speech, no HLC		
Comments:			

410104	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], cause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Speech/410104	
Selection criteria:			
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer		
Parameter values:	BC = speech, no HLC		
Comments:			

410105	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41]	
		ETSI TS 183 036 [42]	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Speech/410105	
Selection criteria:		·	
Test purpose:	Ensure that the re-answer procedure is performed correctly when the called user clears		
	and re-answers		
Parameter values:	BC = speech, no HLC		
Comments:			

410106	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41]	
	clauses 4.5.16 and 5.1.6	ETSI TS 183 036 [42]	
TSS reference:	ISDN-PSTN/Basic_call/Successful,	/Speech/410106	
Selection criteria:			
Test purpose:	Support of telephony 3,1 kHz teleservice: Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = speech, HLC = telephony		
Comments:			

#### 6.2.4.2 Successful-Audio

Successf	l
3,1 kHz au	io

410201	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5		
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1		
		ETSI EN 300 899-1 [37], clause 3.2		
		ITU-T Q.699 [24], clause 3.2		
TSS reference:	ISDN-PSTN/Basic_call/Succ	essful/Audio/410201		
Selection criteria:				
Test purpose:	call establishment a Progress calling user with progress de	Ensure that the call establishment using en-bloc sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = 3,1 kHz audio, no HLC	BC = 3,1 kHz audio, no HLC		
Comments:				

410202	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Successfu	I/Audio/410202	
Selection criteria:			
Test purpose:	Ensure that the call establishment using overlap sending is performed correctly. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".		
Parameter values:	BC = 3,1 kHz audio, no HLC		
Comments:			

410203	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	essful/Audio/410203	
Selection criteria:			
Test purpose:	Ensure that the clearing proc after answer	Ensure that the clearing procedure is performed correctly when the calling user clears	
Parameter values:	BC = 3,1 kHz audio, no HLC		
Comments:			

	T	T-
410204	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 5.3.3	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Succe	essful/Audio/410204
Selection criteria:		
Test purpose:	Ensure that the clearing proc	edure is performed correctly when the called user clears
	after answer	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

410205	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 4.5.16 and 5.1.6	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful,	/Audio/410205
Selection criteria:		
Test purpose:	Support of Telefax G2/G3: Ensure that call establishment can be done with HLC. During call establishment a Progress indicator information element shall be returned to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2 "destination address is non-ISDN".	
Parameter values:	BC = 3,1 kHz audio, HLC = facsimile group 2/3	
Comments:		

410206	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5		
	clause 4.5.18	ETSI TS 183 036 [42], clause 5.1		
		ETSI EN 300 899-1 [37], clause 3.2		
		ITU-T Q.699 [24], clause 3.2		
TSS reference:	ISDN-PSTN/Basic_call/Succ	essful/Audio/410206		
Selection criteria:				
Test purpose:	Support of voice band data v	Support of voice band data via modem: Ensure that call establishment can be done with		
	LLC. During call establishme	LLC. During call establishment a Progress indicator information element shall be returned		
	to the calling user with progress description value #1 "call is not end-to-end ISDN" or #2			
	"destination address is non-I	"destination address is non-ISDN".		
Parameter values:	BC = 3,1 kHz audio, LLC = v	BC = 3,1 kHz audio, LLC = voice band data via modem		
Comments:				

#### 6.2.4.3 Successful-UDI/TA

	Successful
Г	UDI/TA

410301	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succes	sful/UDI-TA/410301	
Selection criteria:	<ul> <li>Telephony UDI-TA tele</li> </ul>	service;	
	<ul> <li>Fallback allowed .</li> </ul>		
Test purpose:	Ensure that the call establishment is performed correctly when a telephony		
	7 kHz fallback allowed SETUP	message is sent and interworking with PSTN occur.	
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:	telephony 7 kHz fallback allo	wed SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech	and the second BC = UDI/TA, a HLC = telephony	

410302	ISDN ref. to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant ref.: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Succ	essful/UDI-TA/410302
Selection criteria:	<ul><li>Videotelephony teles</li><li>Fallback allowed.</li></ul>	service;
Test purpose:		ment is performed correctly when a videotelephony 7 kHz sage is sent and interworking with PSTN occurs.
Parameter values:	! SETUP BC1 = speech BC2 = UDI with TA HLC1 = telephony HLC2 = videotelephony_ic	
Comments:	videotelephony 7 kHz fallback allowed SETUP message: A SETUP message containing two BCs, with the first BC = speech and the second BC = UDI/TA, and two HLCs, with first HLC = telephony and the second HLC = videotelephony_ic and not containing a LLC.	

## 6.2.4.4 Unsuccessful-Speech

Unsuccessful	
Speech	

420101	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420101	
Selection criteria:			
Test purpose:	Ensure that when the called PSTN user is busy the network transport the cause value #17 "user busy" to the calling user.		
Parameter values:	BC = speech		
Comments:			

420102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420102	
Selection criteria:		
Test purpose:		unallocated PSTN number, the network initiate call clearing
	to the calling user with cause	value #1 "unassigned number".
Parameter values:	BC = speech	
Comments:		

420103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420103	
Selection criteria:		
Test purpose:	Ensure that when the calling user	clears with cause value #16 "normal call clearing"
	before answer from the called PST	ΓN user, the call is cleared.
Parameter values:	BC = speech	
Comments:		

420104	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	ful/Speech/420104
Selection criteria:		
Test purpose:	Ensure that when the called PSTN	user is ringing but not answering, the network initiate
		cause value #18 "no user responding" or cause value
	#19 "no answer from user (user ale	erted)".
Parameter values:	BC = speech	
Comments:		

#### 6.2.4.5 Unsuccessful-UDI

Unsuccessful	
UDI	

420201	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	ful/UDI /420201
Selection criteria:		
Test purpose:		equests digital connectivity for a call to a PSTN user,
		the calling user with cause value #63 "service or option
	not available, unspecified" or cause	e value #65 "bearer capability not implemented".
Parameter values:	BC = UDI	
Comments:		

# 6.2.4.6 Unsuccessful-audio

Unsuccessful	
3,1 kHz audio	

420301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/ Audio /420301	
Selection criteria:		
Test purpose:	Ensure that when the called	PSTN user is busy the network transport the cause value
	#17 "user busy" to the calling	user.
Parameter values:	BC = 3,1 kHz audio	
Comments:		

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420302	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/ Audio/420302	
Selection criteria:			
Test purpose:	Ensure that when calling to a	a unallocated PSTN number, the network initiate call clearing	
	to the calling user with cause value #1 "unassigned number".		
Parameter values:	BC = 3,1 kHz audio		
Comments:			

420303	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/ Audio/420303	
Selection criteria:		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing" before answer from the called PSTN user, the call is cleared.	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

420304	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/ Audio/420304	
Selection criteria:		
Test purpose:	Ensure that when the called PSTN user is ringing but not answering, the network initiate call clearing to the calling user with cause value #18 "no user responding" or cause value #19 "no answer from user (user alerted)".	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

#### 6.2.4.7 Unsuccessful-UDI/TA

Unsuccessful
UDI/TA

420401	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5	
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420401	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback allowed</li> </ul>		
Test purpose:	Ensure that when a telephon	Ensure that when a telephony 7 kHz fallback not allowed SETUP message is sent to the	
	network, the network shall initiate call clearing to the calling user with cause value #65		
	"bearer capability not implemented".		
Parameter values:			
Comments:	telephony 7 kHz fallback al	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing a	
	single BCs with the BC = UDI/TA and a single HLC = telephony		

420402	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 267-1 [2],	ETSI EG 201 018 [i.15], clause 6.3.5
	clause 6.5.2	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420402	
Selection criteria:	- Videotelephony teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to	
	the network, the network shall initiate call clearing to the calling user with cause value #65	
	"bearer capability not implemented".	
Parameter values:		
Comments:	videotelephony 7 kHz fallback not allowed SETUP message: A SETUP message	
	containing a single BC = UDI/TA	and a single HLC = videotelephony_ic

420403	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5	
	clauses 5.1.4 and G.1.1	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420403	
Selection criteria:	<ul> <li>Telephony UDI-TA te</li> </ul>	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:	Ensure that, when calling to unallocated number, the network initiate call clearing to the		
	calling user sending a DISCONNECT message containing a PI#8 and the cause value #1		
	"unassigned number".		
Parameter values:	BC = UDI/TA, HLC = telepho	ny	
Comments:			

420404	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.1.4 and G.1.1	Other relevant ref.: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	
Selection criteria:	Telephony UDI-TA teleservice;     Fallback allowed.	
Test purpose:	Ensure that, when the called user is busy and responds with a RELEASE COMPLETE message indicating cause value #17 "user busy", the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause #17 "user busy".	
Parameter values:	BC = UDI/TA, HLC = telephony	
Comments:		

420405	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5	
	clause 5.1.4 and G.1.8	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420405	
Selection criteria:	- Telephony UDI-TA teleservice;		
	<ul> <li>Fallback allowed.</li> </ul>		
Test purpose:		Ensure that, when the called user is not responding, the network initiate call clearing to	
	the calling user sending a DISCONNECT message containing a PI#8 and cause value		
	#18 "no user responding".		
Parameter values:	BC = UDI/TA, HLC = telepho	BC = UDI/TA, HLC = telephony	
Comments:			

420406	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5
	clauses 5.2.5.4 and G.1.9	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	ful/UDI-TA/420406
Selection criteria:	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate	
	call clearing sending a DISCONNECT message containing a PI#8 and to the calling user	
	and called user with cause value #19 "no user responding (user alerted)".	
Parameter values:	BC = UDI/TA, HLC = telephony	
Comments:		

420407	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5
	clauses 5.1.9, 5.3.2 and G.1.10	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	ful/UDI-TA/420407
Selection criteria:	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that when the called user rejects the call and responds with a RELEASE	
	COMPLETE message indicating cause value #21 "call rejected", the network initiate call	
	clearing to the calling user sending a DISCONNECT message containing a PI#8 and the	
	cause value #21 "call rejected" to the calling user.	
Parameter values:	BC = UDI/TA, HLC = telephony	
Comments:		

420408	ETSI EN 300 403-1 [1], clause G.1.13	Other relevant ref.: ETSI TS 183 043 [41],clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1 ETSI EN 300 899-1 [37], clause 3.2 ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic call/Unsuccessful/UDI-TA/420408	
Selection criteria:	Telephony UDI-TA teleservice;     Fallback allowed.	
Test purpose:	Ensure that when the called user terminal is not connected, the network initiate call clearing to the calling user sending a DISCONNECT message containing a PI#8 and the cause value #27 "destination out of order".	
Parameter values:	BC = UDI/TA, HLC = telephony	
Comments:		

420409	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5
	clauses 5.2.2 and G.5.7	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420409	
Selection criteria:	- Telephony UDI-TA teleservice;	
	<ul> <li>Fallback allowed.</li> </ul>	
Test purpose:	Ensure that when the called user is not compatible and responds with a RELEASE	
	COMPLETE message indicating cause value #88 "called user not compatible", the	
	network transport the cause value to the calling user.	
Parameter values:	BC = UDI/TA, HLC = telephony	
Comments:		

420410	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5	
	clause G.1.6	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-ISDN/Basic_call/Unsuc	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/420410	
Selection criteria:	Multipoint configuration for the called side		
Test purpose:	Ensure that when the calling user clears with cause value #16 "normal call clearing"		
	before answer from called user, the network the network initiate call clearing to the calling		
	user sending a DISCONNECT message containing a PI#8 and the cause value #16		
	"normal call clearing" to the called user.		
Parameter values:	BC = UDI/TA, HLC = telephony		
Comments:			

# 6.2.5 Test purposes for ISDN-PSTN, Supplementary services

## 6.2.5.1 CLIP

510101	ISDN ref. to:	Other relevant ref.:
310101		
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], cause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary	_services/CLIP/TC510101
Selection criteria:	The called user is provided v	with CLIP.
Test purpose:	Ensure that when the Calling	party subaddress is provided by the calling user, the Calling
	party number is correctly del	ivered to the called (served) user.
Parameter values:	BC = PIXIT, Calling party su	
Comments:		

510102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], cause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CLIP/TC510102
Selection criteria:	The called user is provided with Cl	IP.
Test purpose:	Ensure that when no Calling party	subaddress is provided by the calling user, the Calling
	party number information element	is network provided and correctly delivered to the
	called (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.5.2 CLIR

510201	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], cause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/CLIP/TC510201	
Selection criteria:	- the called user is provided with CLIP;	
	<ul> <li>the calling user is pre-</li> </ul>	ovided with CLIR.
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
	Ensure that when the Calling	party subaddress is provided by the calling user the Calling
	party number is not delivered	d to the called user.
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:	·	

510202	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI EN 300 001 [30]
		ETSI ETS 300 648 [31]
		ETSI EN 300 659 [32]
		ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/CLIP/TC510202	
Selection criteria:	- the called user is provided with CLIP,	
	- the calling user is provided with CLIR	
Test purpose:	The calling user is provided with CLIR permanent mode subscription	
	Ensure that when No Calling party subaddress is provided by the calling user the Calling	
	party number is not delivered to the called user.	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.5.3 COLP

510301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 097-1 [5],	ETSI TS 183 043 [41], clause 5.3.5.5
	clause 9.5.1, 11	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/COLP/510301	
Selection criteria:	The calling user is provided with COLP.	
Test purpose:	Ensure that the Connected number information element is network provided and correctly	
	delivered to the calling user or, if the PSTN does not support this service, the presentation	
	indicator indicate "number not available due to interworking".	
Parameter values:	BC = PIXIT, SI = NP	
Comments:		

## 6.2.5.4 COLR

510401	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 098-1 [6],	ETSI EN 300 097-1 [5], clause 9.5.1
	clauses 9.3.1, 9.4.1 and 11	ETSI TS 183 043 [41], clause 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_services/COLR/510401	
Selection criteria:	- the called PSTN user is provided with COLR;	
	- the calling user is provided with COLP.	
Test purpose:	Ensure that the Connected number information element is network provided and	
	delivered to the calling user without any digit information or, if the PSTN does not support	
	this service, the presentation indicator indicate "number not available due to	
	interworking".	
Parameter values:	BC = PIXIT, $(PI = PR)$ , $SI = NP$ , $N$	= unknown, NPI = unknown
Comments:		

#### 6.2.5.5 CUG

510501	ISDN ref. to: ETSI EN 300 138-1 [7],	Other relevant ref.:
TSS reference:	clauses 9.2.2 and 9.2.4 ISDN-PSTN/Supplementary_service	 
Selection criteria:	Orign.:CUG supplementary options	: not OA; not ocb; not Pref. CUG
	Term.: PSTN user is not member of	f a CUG
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is not allowed, not outgoing calls barred within the CUG and not preferential CUG and the called PSTN user is not member of a CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value "userNotMemberOfCUG".	
Parameter values:	Orign.: BC = PIXIT; Facility IE with - OARequested set to TRU - CUG Index included	
Comments:		

510502	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],		
	clauses 9.2.2 and 9.2.4		
TSS reference:	ISDN-PSTN/Supplementary_service	es/CUG/510502	
Selection criteria:	Orign.: The calling user belongs to	a CUG with the following CUG supplementary options:	
	OA; not ocb; not Pref. CUG		
	Term.: PSTN user is not member o	f a CUG	
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access allowed, n		
	outgoing calls barred within the CUG and not preferential CUG and the called PSTN user is not member of a CUG, call establishment is not possible and the network initiate call clearing to the calling user with cause value 29 "Facility rejected", return error value		
	"userNotMemberOfCUG".		
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component:		
	<ul> <li>OARequested set to TRU</li> </ul>	E	
	<ul> <li>CUG Index included</li> </ul>		
Comments:			

510503	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	
	clauses 9.2.2 and 9.2.4	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CUG/5100503
Selection criteria:	Orign.: The calling user belongs to	
	supplementary options: OA; not oc	b; not Pref. CUG
	Term.: PSTN user is not member o	f a CUG
Test purpose:	Ensure that when the calling user belongs to a CUG with outgoing access is allowed, not outgoing calls barred within the CUG and not preferential CUG and the and the called PSTN user is not member of a CUG, call establishment to a PSTN user is possible.	
Parameter values:	BC = PIXIT; Facility IE with cUGCall invoke component: - OARequested set to TRUE	
	<ul> <li>CUG Index not included</li> </ul>	
Comments:		

#### 6.2.5.6 CFU

510601	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_service	es/CFU/510601	
Selection criteria:	The user A and the user C are in network N1. The user B is in network N2 and is provided		
		f call diversion" = Yes, with diverted-to number,	
	"diverting number is released to the diverted-to user" = Yes).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A is notified of		
	call diversion and informed of the diverted-to number and user C is informed of the		
	forwarding number (user B has pre	sentation allowed).	
Parameter values:	BC = PIXIT, CFU active		
Comments:	The stage 1, 2 and 3 specifications	of the PSTN supplementary services are network	
	operator specific. It is assumed tha	t the PSTN subscriber acts like an ISDN-subscriber.	

510602	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_services/CFU/510602		
Selection criteria:	The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to User" = No).		
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A is notified of call diversion and not informed of the diverted-to number (user C has presentation not allowed - COLR) and user C is not informed of the forwarding number (user B has presentation not allowed).		
Parameter values:	BC = PIXIT, CFU active		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

510603	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_s	services/CFU/510603	
Selection criteria:		The user B is in network N2 and is provided with CFU ("calling user is notified of call diversion" = No, with diverted-to number, "diverting number is released to the diverted-to User" = No).	
Test purpose:	Ensure that when user A calls user B, the call is forwarded to user C, user A and use C are not notified of call diversion.		
Parameter values:	BC = PIXIT, CFU active		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

#### 6.2.5.7 CFB

510701	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_service	
Selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-to
	user " = Yes).	
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C user A is	
	notified of call diversion and informed of the diverted-to number and user C is informed of	
	the forwarding number (user B has	presentation allowed).
Parameter values:	BC = PIXIT, CFB active	
Comments:		of the PSTN supplementary services are network
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.

510702	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_service	es/CFB/510702	
Selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call		
	diversion" = Yes, with diverted-to n	umber, "diverting number is released to the diverted-to	
	User" = No).		
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C user A is notified of call diversion and not informed of the diverted-to number (user C has		
	presentation not allowed - COLR) and user C is not informed of the forwarding number		
	(user B has presentation not allowed).		
Parameter values:	BC = PIXIT, CFB active		
Comments:	The stage 1, 2 and 3 specifications	of the PSTN supplementary services are network	
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.	

510703	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CFB/510703
Selection criteria:	The user B is in network N2 and is provided with CFB ("calling user is notified of call	
	diversion" = No, with diverted-to nu  User" = No).	mber, "diverting number is released to the diverted-to
Test purpose:	Ensure that when user A calls busy user B, the call is forwarded to user C, user A and C are not notified of call diversion.	
Parameter values:	BC = PIXIT, CFB active	
Comments:		of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

#### 6.2.5.8 CFNR

510801	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_	_services/CFNR/510801	
Selection criteria:	with CFNR ("calling user is n	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls user B, if unanswered, the call is forwarded to user C, user A is notified of call diversion and informed of the diverted-to number (user C has presentation allowed - no COLR) and user C is informed of the forwarding number (user B has presentation allowed).		
Parameter values:	BC = PIXIT, CFNR active		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

510802	ISDN ref. to:	Other relevant ref.:		
	ETSI EN 300 207-1 [12]			
TSS reference:	ISDN-PSTN/Supplementary_service	ISDN-PSTN/Supplementary_services/CFNR/510802		
Selection criteria:	The user A and the user C are in network N1 and user C is provided with COLR. The user B is in network N2 and is provided with CFNR ("calling user is notified of call diversion" = Yes, with diverted-to number, "diverting number is released to the diverted-to user" = No).			
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user A is notified of call diversion and not informed of the diverted-to number (user C has presentation not allowed - COLR) and user C is not informed of the forwarding number (user B has presentation not allowed).			
Parameter values:	BC = PIXIT, CFNR active			
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.			

510803	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CFNR/510803	
Selection criteria:	The user A and the user C are in n	The user A and the user C are in network N1 and user C is provided with COLR. The user	
		with CFNR ("calling user is notified of call	
	diversion" = No, with diverted-to number, "diverting number is released to the diverted-to		
	user" = No).		
Test purpose:	Ensure that when user A calls user B, if unanswered the call is forwarded to user C, user		
	A and user C are not notified of call diversion.		
Parameter values:	BC = PIXIT, CFNR active		
Comments:	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network		
	operator specific. It is assumed that	t the PSTN subscriber acts like an ISDN-subscriber.	

#### 6.2.5.9 UUS1

510901	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 286-1 [10],	
	clauses 11.2 and 9.1.1.1.2	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/UUS1/510901
Selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:	Ensure that when a User-user infor	mation element is included in the SETUP message
	sent from the calling user, call esta	blishment can be done without User-user information.
Parameter values:	BC = PIXIT	
Comments:		

510902	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clauses 11.2 and 9.1.1.1.2		
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/UUS1/510902	
Selection criteria:	The calling (served) user is provide	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	Ensure that when the calling user explicit request UUS1 indicating "required", the network initiate call clearing to the calling user indicating cause value #69 "requested facility not implemented" or cause value #29 "facility rejected", and a UUS service 1 rejection with Error value "rejectedByUser".		
Parameter values:	BC = PIXIT		
Comments:			

#### 6.2.5.10 CCBS

511001	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_se	ISDN-PSTN/Supplementary_services/CCBS/511001	
Selection criteria:	supplementary service	supplementary service is available to user A.  - Signalling procedures at the coincident S and T reference point.	
Test purpose:	Ensure that user A can establish a successful CCBS call setup a multipoint configuration exits.		
Parameter values:	BC = PIXIT		
Comments:			

511002	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511002
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is a	vailable to user A.
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that user A in the call proceeding call state and in the CCBS Call init state, when network B responds to the call with an ALERTING indication, user A receives an ALERTING message followed by a FACILITY message containing a Facility information element with a cCBSErase invoke indication cCBSEraseReason "normal-unspecified".	
Parameter values:	BC = PIXIT	
Comments:		

511003	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	ISDN-PSTN/Supplementary_s	services/CCBS/511003	
Selection criteria:		porting the CCBS supplementary service and this	
	supplementary service	e is available to user A.	
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.	
Test purpose:	Ensure that when the network	Ensure that when the network A is in the call state N00 and CCBS Activated state the	
	user can initiate the deactivation procedure.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS Activated		
	state), on receipt of a FACILITY message containing a Facility information element with a		
	CCBSDeactivate invoke component including the correct CCBSReference parameter,		
	sends to user A a FACILITY message containing a Facility information element with a		
	CCBSDeactivate return result component with CCBSEraseReason indicating "normal-		
	unspecified" and a Facility message containing a Facility information element with a		
	CCBSerase invoke component.		

511004	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.1.4.2		
TSS reference:	ISDN-PSTN/Supplementary_s	ervices/CCBS/511004	
Selection criteria:		OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.	
	- Signalling procedures	at the coincident S and T reference point.	
Test purpose:	Ensure that when the network	A is in the call state N00 and CCBS free state the user	
	can initiate the deactivation procedure.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the user (when the network A is in the call state N00 and CCBS free state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component with CCBSEraseReason indicating "normal-unspecified" and a Facility message containing a Facility information element with a CCBSerase invoke component.		

511005	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511005	
Selection criteria:	<ul> <li>OLEand DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>		
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS		
rest purpose.	supplementary service is not available to the destination.		
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and CCBS Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCBSRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial".		

511006	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511006	
Selection criteria:	Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.		
	- Signalling procedures at the coincident S and T reference point.		
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCBS processing.		
Parameter values:	BC = PIXIT		
Comments:			

511007	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.2.2	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/511007
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> </ul>	
	<ul> <li>Signalling procedures at the coincident S and T reference point.</li> <li>Recall option = PIXIT.</li> </ul>	
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can selected, network A shall suspend the CCBS request at network B.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the CCBS free state on receipt of SETUP message containing Bearer capability information element from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component, when no B-channels can be selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCBS request at network B.	

511008	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/CCBS/511008	
Selection criteria:	<ul> <li>Network A and network B</li> </ul>	are supporting the CCBS supplementary service and	
	this supplementary service	e is available to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	ne coincident S and T reference point.	
	<ul> <li>The network option "CCBs"</li> </ul>	S request retention" is set to "yes".	
Test purpose:	Ensure that if network B cannot es	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call clearing and Network B shall resume monitoring user B		
	for being not busy.		
Parameter values:	BC = PIXIT		
Comments:		Outgoing Call Proceeding state and CCBS Call Init	
	State, if network B cannot establish the call because user B is busy again, the network A		
	sends to user A a DISCONNECT not containing a Facility information element with a		
	CCBSErase invoke component.		
	Network B shall resume monitoring user B for being not busy.		

511009	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.4.3.2		
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/CCBS/511009	
Selection criteria:	<ul> <li>Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>		
	<ul> <li>Network option "CCBS request retention" is set to "no".</li> <li>Multipoint configuration.</li> </ul>		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network B is proceeding with normal call clearing User A can activate the CCBS supplementary service again.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init State, where a <b>multipoint configuration exists</b> , if network B cannot establish the call because user B is busy again, the network A sends to user A a DISCONNECT or RELEASE COMPLETE message containing a Facility information element with a CallInfoRetain invoke component including a CallLinkageID sends a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed.  User A can activate the CCBS supplementary service again.		

511030	ISDN ref. to:	Other relevant ref.:
311030		
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.1.2	
TSS reference:	ISDN-PSTN/Supplementary_s	ervices/CCBS/5110010
Selection criteria:		k B are supporting the CCBS supplementary service and
	this supplementary ser	rvice is available to user A.
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.
Test purpose:	Ensure that the network A in the Null call state and CCBS Free state, where a multipoint configuration exists, and the T-CCBS3 expires, the network A sends to user A a FACILITY message (UI frame) containing a Facility information element with a CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".	
Parameter values:	BC = PIXIT	
Comments:		

#### 6.2.5.11 CCNR

511103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCNR/511001
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this	
	supplementary service is a	
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.
	- Rrecall option = PIXIT.	
	- Point-to-multipoint configuration applies.	
Test purpose:	Ensure that when user A has an ALERTING indication received from network B, user A can activate CCNR and establish a successful CCNR call setup a point-to-multipoint configuration applies.	
Parameter values:	BC = PIXIT	
Comments:	50 - 1 1741	

F44000	ICDN ref to:	Oth or valoused not .
511002	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511002
Selection criteria:		ng the CCNR supplementary service and this
	supplementary service is a	
		e coincident S and T reference point.
	- Recall option = PIXIT.	
	<ul> <li>Point-to-multipoint configure</li> </ul>	
Test purpose:	Ensure that when CCNR supplementary service is not activated and the call is cleared	
	after ALERTING has been sent to user A, user A can activate CCNR and establish a	
	successful CCNR call setup if the point-to-multipoint configuration applies.	
Parameter values:	BC = PIXIT	
Comments:		

511003	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCNR/511003	
Selection criteria:		ng the CCNR supplementary service and this	
	supplementary service is a		
	<ul> <li>Signalling procedures at th</li> </ul>	e coincident S and T reference point.	
Test purpose:	Ensure that user A in the call proceeding call state and in the CCNR Call init state, when		
	network B has responded to the call with a CONNECT indication, user A receives a		
	CONNECT message.		
	Has the CCNR request not been deactivated, the user receives a FACILITY message		
	containing a Facility information element with a cCBSErase invoke indication		
	cCBSEraseReason "normal-unspecified".		
Parameter values:	BC = PIXIT		
Comments:			

511004	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_se	ervices/CCNR/511004
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.     Signalling procedures at the coincident S and T reference point.	
Test purpose:	Ensure that when the network A is in the call state N00 and CCNR Activated state, the user can initiate the deactivation procedure.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the user (when the network A is in the call state N00 and CCNR Activated state), on receipt of a FACILITY message containing a Facility information element with a CCBSDeactivate invoke component including the correct CCBSReference parameter, sends to user A a FACILITY message containing a Facility information element with a CCBSDeactivate return result component.	

511005	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_servi	ices/CCNR/511105	
Selection criteria:	<ul> <li>OLEand DLE are supporti</li> </ul>	ing the CCNR supplementary service and this	
	supplementary service is	available to user A.	
	<ul> <li>Signalling procedures at t</li> </ul>	he coincident S and T reference point.	
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCBS		
	supplementary service is not available to the destination.		
Parameter values:	BC = PIXIT		
Comments:	In the Disconnect call state and CCNR Idle state and Retain Active State, on receipt of a FACILITY message containing a Facility information element with a CCNRRequest invoke component including the CallLinkageID, but CCBS is not available to the destination, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial" or "longTermDenial".		

511006	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCNR/511006
Selection criteria:	<ul> <li>Network A and network B a</li> </ul>	are supporting the CCNR supplementary service and
	this supplementary service	is available to user A.
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that if network A is informed that user B is not busy and user A is busy, the network A shall inform user A by sending a CCBSFree invoke component to user A and suspend CCNR processing.	
Parameter values:	BC = PIXIT	
Comments:		

511007	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511007	
Selection criteria:		are supporting the CCNR supplementary service and	
	this supplementary service		
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.	
	<ul> <li>Network A supports the sp</li> </ul>	ecific Recall option.	
Test purpose:		cept the request because no B-cannel can be selected,	
	network A shall suspend the CCNR request at network B.		
Parameter values:	BC = PIXIT		
Comments:	Ensure that network A in the CCNR free state on receipt of SETUP message containing		
	Bearer capability information element from the original call and a Facility information		
	element with a CCBSCall invoke component including the CCBSReference from the		
	previously sent CCBSRemoteUserFree invoke component, when no B-channels can be		
	selected, the network A sends to user a RELEASE COMPLETE with the cause #34 or		
	#43 and moves to call state N00. Furthermore, network A shall suspend the CCNR		
	request at network B.		

511008	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCNR/511008
Selection criteria:	<ul> <li>Network A and network B are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	- Network A supports the global Recall option.  Ensure that if network A cannot accept the request because no B-cannel can selected, network A shall send a CCBSStopAlerting invoke component to user A and suspend the CCBS request at network B.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that network A in the call state N00 and CCNR free state, where a multipoint configuration exits, on receipt of SETUP message containing Bearer capability information element (s) from the original call and a Facility information element with a CCBSCall invoke component including the CCBSReference from the previously sent CCBSRemoteUserFree invoke component when no B-channels can be selected. The network A sends FACILITY message (UI frame) containing a facility information element with a CCBSStopAlerting invoke component including the same CCBSReference value and a RELEASE COMPLETE with the cause #34 or #43 and moves to call state N00. Furthermore, network A shall suspend the CCNR request at network B.	

511109	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_se	ervices/CCNR/511009
Selection criteria:	<ul> <li>Network A and network</li> </ul>	B are supporting the CCNR supplementary service and
	this supplementary ser	vice is available to user A.
	<ul> <li>Signalling procedures a</li> </ul>	at the coincident S and T reference point.
	<ul> <li>The network option "Control option"</li> </ul>	CBS request retention" is set to "yes".
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call clearing and Network B shall resume monitoring user B	
	for being not busy.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in th	e Outgoing Call Proceeding state and CCBS Call Init
	State, if network B cannot estal	blish the call because user B is busy again,, the network A
	sends to user A a DISCONNECT not containing a Facility information element with a	
	CCBSErase invoke component.	
	Network B shall resume monito	ring user B for being not busy.

511030	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_servi-	ces/CCNR/511030	
Selection criteria:		No. 1 A. 1 of 1 B. College II. College III. College	
	this supplementary service		
	<ul> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>		
	- Network option "CCBS request retention" is set to "no".		
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network		
	B is proceeding with normal call clearing User A can activate the CCNR supplementary		
	service again.		
Parameter values:	BC = PIXIT		
Comments:			

511031	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.1.2	
TSS reference:	ISDN-PSTN/Supplementary_s	services/CCNR/511031
Selection criteria:		rk B are supporting the CCNR supplementary service and
	this supplementary se	rvice is available to user A.
	<ul> <li>Signalling procedures</li> </ul>	at the coincident S and T reference point.
Test purpose:	Ensure that the network A in the Null call state and CCNR Free state and the T-CCBS3	
		to user A a FACILITY message containing a Facility
	information element with a CC	BSErase invoke component including CCBSEraseREason
	encoded as "t-CCBS3-timout".	
Parameter values:	BC = PIXIT	
Comments:		

## 6.2.5.12 ECT

511201	ISDN ref. to: ETSI EN 300 369-1 [19], clause 9.2.1, 9.2.3 and 9.2.4	Other relevant ref.:
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/ECT/511201
Selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the Active call state - Call Held auxiliary state and the call A-C is in the Active call state a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user B. (user B and user C have presentation allowed - no COLR).	
Parameter values:	BC = PIXIT	
Comments:		

511202	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19],	
	clause 9.2.1, 9.2.3 and 9.2.4	
TSS reference:	ISDN-PSTN/Supplementary_service	es/ECT/511202
Selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call A-B is in the Active call sate and the call A-C is in the Active call state - Call Held auxiliary state, a connection between user B and user C is established and the calls A-B and A-C are released. The call clearing procedure of the B-C connection is performed from user C. (user B and user C have presentation restricted - COLR).	
Parameter values:	BC = PIXIT	
Comments:		

511203	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19],	
	clause 9	
TSS reference:	ISDN-PSTN/Supplementary_service	es/ECT/511203
Selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call state - Call Held auxiliary state</b> and the call <b>A-C</b> is in the <b>Call Delivered State</b> a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C.  The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:	BC = PIXIT	
Comments:		

511204	ISDN ref. to: ETSI EN 300 369-1 [19], clause 9	Other relevant ref.:
TSS reference:	ISDN-PSTN/Supplementary_service	es/ECT/511204
Selection criteria:	ECT	
Test purpose:	User A is in network N1 and is provided with ECT using implicit linkage. User B and user C are in network N2.  Ensure that when user A invokes ECT in which the call <b>A-B</b> is in the <b>Active call state</b> and the call <b>A-C</b> is in the <b>Call Delivered State - Call Held auxiliary state</b> , a connection between user B and user C is established and the calls A-B and A-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
Parameter values:	BC = PIXIT	
Comments:		

# 6.2.6 Test purposes for PSTN-ISDN, Basic call

#### 6.2.6.1 Successful - PSTN

Successful	
PSTN	

610101	ISDN ref. to: ETSI EN 300 403-1 [1], clauses 5.2.6 and B.4	Other relevant ref.: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610101	
Selection criteria:		
Test purpose:	Ensure that call is delivered to the called ISDN user with the Bearer capability information element indicating "3,1 kHz audio". During call establishment a Progress indicator information element shall be included in the SETUP message sent to the called user with progress description value #1 "call is not end-to-end ISDN" or #3 "origination address is non-ISDN".	
Parameter values:	SETUP: BC = 3,1 kHz audio	
Comments:		

610102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610102	
Selection criteria:		
Test purpose:	Ensure that the clearing prod	cedure is performed correctly when the calling user clears the
	call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio	
Comments:		

610103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610103	
Selection criteria:		
Test purpose:	Ensure that the clearing procedur	e is performed correctly when the called ISDN user
	clears the call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio	
Comments:		

#### 6.2.6.2 Unsuccessful - PSTN

	Unsuccessful
PSTN	

620101	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620101	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user is busy, the calling user receives in-band information that the called user is busy.	
Parameter values:		
Comments:		

620102	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620102	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user terminal is not connected, the calling user receives in-band announcement that the destination is out of order.	
Parameter values:		
Comments:		

620103	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2 ETSI EN 300 899-1 [37], clause 2.2 ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620103	
Selection criteria:		
Test purpose:	Ensure that when calling to unallocated ISDN number, the calling user receives in-band information that the called number is unallocated.	
Parameter values:		
Comments:		

620104	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5	
		ETSI TS 183 036 [42], clause 5.1.2	
		ETSI EN 300 899-1 [37], clause 2.2	
		ITU-T Q.699 [24], clause 2.2	
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620104		
Selection criteria:	Multipoint configuration for the	Multipoint configuration for the called side.	
Test purpose:	Ensure that when the calling user clears before answer from the called ISDN user in a point-to-multipoint access configuration, the call is cleared.		
Parameter values:			
Comments:			

620106	ISDN ref. to: ETSI EN 300 403-1 [1]	Other relevant ref.: ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5 ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2 ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620106	
Selection criteria:	Point-to-point configuration for the called side.	
Test purpose:	Ensure that when the calling user clears before answer from the called ISDN user in a point-to-point access configuration, the call is cleared.	
Parameter values:		
Comments:		

620105	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
		ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Unsuccessful/620105	
Selection criteria:		
Test purpose:	Ensure that when the called ISDN user is alerted by not answering before timer Q118	
	expires, the network initiate call clearing.	
Parameter values:		
Comments:		

# 6.2.7 Test purposes for PSTN-ISDN, Supplementary services

## 6.2.7.1 CLIP

710101	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 092-1 [3],	ETSI TS 183 036 [42], clause 5.2.3	
	clauses 9.5.1 and 11		
TSS reference:	PSTN-ISDN/Supplementary_service	PSTN-ISDN/Supplementary_services/CLIP/710101	
Selection criteria:	The called (served) user is provided with CLIP.		
Test purpose:	Ensure that the Calling party number information element is network provided and correctly delivered to the called ISDN user or, if the PSTN does not support this service, the presentation indicator indicates "number not available due to interworking".		
Parameter values:	SI = NP, N = international (or N = unknown)		
Comments:			

#### 6.2.7.2 CLIR

710201	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 093-1 [4],	ETSI EN 300 092-1 [3], clause 9.5.1	
	clause 9.4.1	ETSI TS 183 036 [42], clause 5.2.3	
TSS reference:	PSTN-ISDN/Supplementary_se	ervices/CLIR/710201	
Selection criteria:	The calling (served) user is pro	The calling (served) user is provided with CLIR, the called user with CLIP.	
Test purpose:	correctly delivered to the called	Ensure that the Calling party number information element is network provided and correctly delivered to the called user without any digit information or, if the PSTN does not support this service, the presentation indicator indicates "number not available due to	
Parameter values:	SI = NP, $(PI = PR)$ , $N = unknow$	SI = NP, (PI = PR), N = unknown, NPI = unknown	
Comments:			

#### 6.2.7.3 CFU

710301	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12]	
TSS reference:	PSTN-ISDN/Supplementary_	services/CFU/710301
Selection criteria:	The user A and the user C are CFU.	e in PSTN. The user B is in the ISDN and is provided with
Test purpose:	Ensure that when user A calls	s user B, the call is forwarded to user C.
Parameter values:	CFU active	
Comments:		

#### 6.2.7.4 CFB

710401	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 207-1 [12]		
TSS reference:	PSTN-ISDN/Supplementary_service	ces/CFB/710401	
Selection criteria:	The user A and the user C are in F	PSTN. The user B is in the ISDN and is provided with	
	CFB-UDUB.		
Test purpose:	The PSTN user A and the PSTN user C are in network N1.		
	The ISDN user B is in network N2	The ISDN user B is in network N2 and is provided with CFB-UDUB.	
	Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not		
	notified of call diversion.		
Parameter values:	CFB-UDUB active		
Comments:			

710402	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12]	
TSS reference:	PSTN-ISDN/Supplementary_service	es/CFB/710402
Selection criteria:	The user A and the user C are in PSTN. The user B is in the ISDN and is provided with	
	CFB-NDUB.	
Test purpose:	The PSTN user A and the PSTN user C are in network N1.	
	The ISDN user B is in network N2 and is provided with CFB-NDUB.	
	Ensure that when user A calls busy	user B, the call is forwarded to user C.
Parameter values:	CFB-NDUB active	
Comments:		

#### 6.2.7.5 CFNR

710501	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 207-1 [12]	
TSS reference:	PSTN-ISDN/Supplementary_service	es/CFNR/710501
Selection criteria:	CFNR	
Test purpose:	The PSTN user A and the PSTN user C are in network N1.	
	The ISDN user B is in network N2 and is provided with CFNR.	
	Ensure that if user A calls user B, w	who does not answered, the call is forwarded to user C.
Parameter values:	CFNR active	
Comments:		

#### 6.2.7.6 MCID

710601	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 130-1 [14]		
TSS reference:	PSTN-ISDN/Supplementary_s	services/MCID/710601	
Selection criteria:	Called user is provided with M	Called user is provided with MCID.	
Test purpose:	Ensure that the call to an ISDN user is registered when the MCID service is requested by		
	the called user in the Active ca	all state.	
Parameter values:			
Comments:			

#### 6.2.7.7 CUG

710701	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7],	
	clause 9.2.3	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/CUG/710701
Selection criteria:	Called user belongs to a CUG with incoming access not allowed and calling user is not member of the CUG.	
Test purpose:	Ensure that when the called ISDN user belongs to a CUG with incoming access "not allowed" and calling user is not member of the CUG, the call is not established.	
Parameter values:		
Comments:		

#### 6.2.7.8 CCBS

710801	ISDN ref. to:	Other relevant ref.:	
710001	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary	PSTN-ISDN/Supplementary_services/CCBS/710801	
Selection criteria:	supplementary serv	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCBS Activation can establish a successful CCBS call to user B.		
Parameter values:			
Comments:			

710802	ISDN ref. to: ETSI EN 300 138-1 [7]	Other relevant ref.: ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary_se	PSTN-ISDN/Supplementary_services/CCBS/710802	
Selection criteria:	supplementary service	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCBS Activation can establish a successful CCBS call to user B.		
Parameter values:			
Comments:			

710803	ISDN ref. to: Other relevant ref.: ETSI EN 300 138-1 [7], ETSI EN 300 356-1 [18]	
	clause 9.2.1	
TSS reference:	PSTN-ISDN/Supplementary_services/CCBS/710803	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that user A after the after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710804	ISDN ref. to: Other relevant ref.:	
	ETSI EN 300 138-1 [7], ETSI EN 300 356-1 [18]	
	clause 9.2.1	
TSS reference:	PSTN-ISDN/Supplementary_services/CCBS/710804	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710805	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	PSTN-ISDN/Supplementary_	services/CCBS/710805	
Selection criteria:	<ul> <li>OLE and DLE are su</li> </ul>	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is available to user A.		
	<ul> <li>Signalling procedure</li> </ul>	s at the T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the		
	deactivation procedure.		
Parameter values:			
Comments:			

710806	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	PSTN-ISDN/Supplementary_	services/CCBS/710806
Selection criteria:	<ul> <li>OLEand DLE are supporting the CCBS supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>	
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS supplementary service is not available to the destination	
Parameter values:		
Comments:		

#### 6.2.7.9 CCNR

710901	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/710901	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point at user B.</li> </ul>	
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful CCNR call to user B.	
Parameter values:		
Comments:		

710902	ISDN ref. to: ETSI EN 301 065-1 [29]	Other relevant ref.:	
TSS reference:	PSTN-ISDN/Supplementary_serv	PSTN-ISDN/Supplementary_services/CCNR/710902	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the T reference point at user B.</li> </ul>		
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful CCNR call to user B.		
Parameter values:			
Comments:			

710903	ISDN ref. to:	Other relevant ref.:	
	ETSI EN 301 065-1 [29]		
TSS reference:	PSTN-ISDN/Supplementary_serv	PSTN-ISDN/Supplementary_services/CCNR/710903	
Selection criteria:	<ul> <li>OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.</li> <li>Signalling procedures at the coincident S and T reference point.</li> </ul>		
Test purpose:	Ensure that user A after the after the successful CCNR Activation procedure can initiate the deactivation procedure.		
Parameter values:			
Comments:			

710904	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/CCNR/710904
Selection criteria:	supplementary service is a	ng the CCNR supplementary service and this available to user A. the coincident S and T reference point at user B.
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710905	ISDN ref. to: Other relevant ref.:	
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/710905	
Selection criteria:	OLE and DLE are supporting the CCNR supplementary service and this supplementary service is available to user A.	
	- Signalling procedures at the T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710906	ISDN ref. to:	Other relevant ref.:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_service	es/CCNR/710906
Selection criteria:	OLEand DLE are supporting the CCNR supplementary service and this	
	supplementary service is available to user A.	
	<ul> <li>Signalling procedures at the</li> </ul>	e coincident S and T reference point.
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCNR	
	supplementary service is not available to the destination.	
Parameter values:		
Comments:		

#### 6.2.7.10 DDI

711001	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 403-1 [1],	
	clause 5.1.5.2	
TSS reference:	PSTN-ISDN/ Supplementary_servi	ces /DDI/711001
Selection criteria:	<ul><li>Overlap sending at user A.</li><li>DDI at user B.</li></ul>	
Test purpose:	Ensure that call establishment using overlap sending is performed correctly when user B supports DDI.	
Parameter values:		
Comments:	The network in the call state N25 to indicate that an INFORMATION message received from the originating network contained a Called party number information element with the full ISDN number including DDI digits and a Sending complete information element is to be sent to the called user, transmits to user B an INFORMATION message with a valid Called party number information element with the numbering plan identification field set to "ISDN/telephony numbering plan" and type of number field set to "national number", "international number" or "subscriber number" with the full ISDN number including DDI digits contained in the number digits field.	

## 6.2.7.11 ECT

711103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces /ECT/711103
Selection criteria:		
Test purpose:	The ISDN User B is in network N2 and is provided with ECT using implicit linkage. The PLMN user A and the PLMN user C are in network N1.  Ensure that when user B invokes ECT in which the call <b>A-B</b> is in the <b>Active call state -</b> Call Held auxiliary state and the call <b>B-C</b> is in the <b>Active call state</b> a connection between user A and user C is established and the calls A-B and B-C are released. The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:		
Comments:		

711102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces /ECT/711102
Selection criteria:		

Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. The
	PLMN user A and PLMN user C are in network N1.
	Ensure that when user B invokes ECT in which the call A-B is in the Active call sate and
	the call <b>B-C</b> is in the <b>Active call state - Call Held auxiliary state</b> , a connection between
	user A and user C is established and the calls A-B and B-C are released. The call
	clearing procedure of the B-C connection is performed from user C.
Parameter values:	
Comments:	

711102	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces /ECT/711102
Selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. Ensure that when user B invokes ECT in which the call <b>A-B</b> is in the <b>Active call state - Call Held auxiliary state</b> and the call <b>B-C</b> is in the <b>Call Delivered State</b> a connection between user A and user C is established and the calls A-B and B-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C.  The call clearing procedure of the B-C connection is performed from user B.	
Parameter values:		
Comments:		

711103	ISDN ref. to:	Other relevant ref.:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces /ECT/711103
Selection criteria:		
Test purpose:	The ISDN user B is in network N2 and is provided with ECT using implicit linkage. Ensure that when user B invokes ECT in which the call <b>A-B</b> is in the <b>Active call state</b> and the call <b>B-C</b> is in the <b>Call Delivered State - Call Held auxiliary state</b> , a connection between user A and user C is established and the calls A-B and B-C are released. When network C receives a CONNECT message from user C, network C shall proceed with the basic call procedure for the user C. The call clearing procedure of the B-C connection is performed from user C.	
Parameter values:		
Comments:		

# Annex A (informative): Bibliography

Recommendation ITU-Ts Q.1902.3 and Q.1902.4 (2001): "Specifications of the Bearer Independent Call Control Protocol (BICC)".

Recommendation ITU-Ts Q.761 to Q.764 (2000): "Specifications of Signalling System No.7 ISDN User Part (ISDN)".

Recommendation ITU-T Q.731.7 (06/1997): "Stage 3 description for number identification supplementary services using Signalling System No. 7: Malicious call identification (MCID)".

Recommendation ITU-T Q.732.2 (12/99): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call diversion services: Call Forwarding Busy (CFB)"

Recommendation ITU-T Q.732.3 (12/99): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call Forwarding No Reply (CFNR)".

Recommendation ITU-T Q.732.4 (12/99): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call Forwarding Unconditional (CFU)".

Recommendation ITU-T Q.732.7 (07/96): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Explicit Call Transfer".

Recommendation ITU-T Q.733.1 (02/92): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Call waiting (CW)".

Recommendation ITU-T Q.733.2 (03/93): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Call hold (HOLD)".

Recommendation ITU-T Q.733.3 (06/97): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls to busy subscriber (CCBS)".

Recommendation ITU-T Q.733.4 (03/93): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Terminal portability (TP)".

Recommendation ITU-T Q.733.5 (12/99): "Stage 3 description for call completion supplementary services using Signalling System No. 7: Completion of calls on no reply".

Recommendation ITU-T Q.732.5 (12/99): "Stage 3 description for call offering supplementary services using Signalling System No. 7: Call Deflection (CD)".

Recommendation ITU-T Q.735.1 (03/93): "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Closed user group (CUG)".

Recommendation ITU-T Q.735.6 (07/96): "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Global Virtual Network Service (GVNS)".

Recommendation ITU-T Q.736.1 (10/95): "Stage 3 description for charging supplementary services using Signalling System No. 7: International Telecommunication Charge Card (ITCC)".

Recommendation ITU-T Q.735.3 (03/93): "Stage 3 description for community of interest supplementary services using Signalling System No. 7: Multi-level precedence and preemption".

Recommendation ITU-T Q.736.3 (10/95): "Stage 3 description for charging supplementary services using Signalling System No. 7: Reverse charging (REV)".

IETF RFC 2046 (1996): "Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types".

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 3326 (2002): "The Reason Header Field for the Session Initiation Protocol (SIP)".

ISO/IEC 9646-2 (1994): "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework - Part 2: Abstract Test Suite Specification".

ISO/IEC 9646-3 (1992): "Conformance testing methodology and framework -- Part 3: The Tree and Tabular Combined Notation".

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): "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 5: Requirements on test laboratories and clients for the conformance assessment process".

ISO/IEC 9646-7 (1994): "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 7: Implementation Conformance Statement".

ETSI TS 183 010: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); NGN Signalling Control Protocol; Communication HOLD (HOLD) PSTN/ISDN simulation services; Protocol specification".

IETF RFC 4967 (2007): "Dial String Parameter for the Session Initiation Protocol Uniform Resource Identifier".

ETSI ETS 300 080: "Integrated Services Digital Network (ISDN); ISDN lower layer protocols for telematic terminals".

ETSI TS 134 229-1 V10.5.0: "Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 10.5.0 Release 10)".

IETF RFC 2833: "RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals".

ETSI TS 129 165: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 10.18.0 Release 10)".

# History

Document history		
V2.3.0	November 2015	Publication