ETSITS 186 001-5 V2.4.0 (2020-09)



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-PSTN over SIP II NNI/SIP-I NNI

Reference
RTS/INT-00161

Keywords
IMS, ISDN, NIT, SIP

ETSI

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

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

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

Important notice

The present document can be downloaded from: http://www.etsi.org/standards-search

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format at www.etsi.org/deliver.

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

Information on the current status of this and other ETSI documents is available at https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx

If you find errors in the present document, please send your comment to one of the following services: https://portal.etsi.org/People/CommiteeSupportStaff.aspx

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.

The copyright and the foregoing restriction extend to reproduction in all media.

© ETSI 2020. All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™** and **LTE™** are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

oneM2M[™] logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners.

GSM® and the GSM logo are trademarks registered and owned by the GSM Association.

Contents

Intelle	ctual Property Rights	6
Forew	ord	6
Modal	l verbs terminology	6
1	Scope	7
2	References	o
2.1	Normative references	
2.1	Informative references.	
2.2	Illioithative references	11
3	Definition of terms, symbols and abbreviations	
3.1	Terms	
3.2	Symbols	
3.3	Abbreviations	14
4	Void	15
5	Test Suite Structure (TSS)	16
5.1	ISDN-ISDN	
5.2	ISDN-PSTN	
5.3	PSTN-ISDN	
5.4	PES-ISDN	
5.5	ISDN-PES	
6	Test Purposes	18
6.1	Introduction	
6.1.1	Test purpose naming convention	
6.1.2	Source of test purpose definition	
6.1.3	Test purpose structure	
6.1.4	Test strategy	19
6.1.5	End-to-end performance objectives	19
6.2	Test Purposes	
6.2.1	Test purposes for ISDN-ISDN, Basic call	
6.2.1.1	- I	
6.2.1.2		
6.2.1.3 6.2.1.4		
6.2.1.4 6.2.1.5		
6.2.1.5 6.2.1.6	1	
6.2.1.0 6.2.1.7		
6.2.1.8		
6.2.2	Test purposes for ISDN-ISDN, Supplementary services	
6.2.2.1	CLIP	
6.2.2.2		
6.2.2.3		
6.2.2.4	COLR	99
6.2.2.5	CUG	101
6.2.2.6		125
6.2.2.7		
6.2.2.8		
6.2.2.9	1	
6.2.2.1		
6.2.2.1		
6.2.2.1		
6.2.2.1		
6.2.2.1	e e e e e e e e e e e e e e e e e e e	
6.2.2.1 6.2.2.1		
6.2.2.1 6.2.2.1		
U. L. L. I.	J C1 1 1 N	

6.2.2.13.1	CFNR/Call Rerouteing	222
6.2.2.14	CD	261
6.2.2.15	FPH	
6.2.2.16	MCID	
6.2.2.17	3PTY	266
6.2.2.18	HOLD	270
6.2.2.19	CW	
6.2.2.20	ECT	
6.2.2.21	CCBS	
6.2.2.22	CCNR	
6.2.2.23	Comb	
6.2.2.24	DDI	
6.2.2.25	MSN	
6.2.3	Test purposes for ISDN-ISDN, B-channel end-to-end performance	
6.2.4	Test purposes for ISDN-PSTN, Basic call	
6.2.4.1	Successful-Speech	
6.2.4.2	Successful-Audio	
6.2.4.3	Successful-UDI/TA	
6.2.4.4	Unsuccessful-Speech	
6.2.4.5	Unsuccessful-UDI	
6.2.4.6	Unsuccessful-audio	
6.2.4.7	Unsuccessful-UDI/TA	
6.2.5	Test purposes for ISDN-PSTN, Supplementary services	
6.2.5.1	CLIP	
6.2.5.2	CLIR	
6.2.5.3	COLP	
6.2.5.4	COLR	
6.2.5.5	CUG	
6.2.5.6	CFU	
6.2.5.7	CFB	
6.2.5.8	CFNR	
6.2.5.9	UUS1	
6.2.5.10	CCBS	
6.2.5.11	CCNR	
6.2.5.12	ECT	
6.2.5.13	HOLD	
6.2.6	Test purposes for PSTN-ISDN, Basic call	
6.2.6.1	Successful - PSTN	
6.2.6.2	Unsuccessful - PSTN	
6.2.7	Test purposes for PSTN-ISDN, Supplementary services	
6.2.7.1	CLIP	
6.2.7.2	CLIR	
6.2.7.3	CFU	
6.2.7.4	CFB	
6.2.7.5	CFNR	
6.2.7.6	MCID	
6.2.7.7	CUG	
6.2.7.8	CCBS	
6.2.7.9	CCNR	
6.2.7.10	DDI	
6.2.7.11	ECT	
6.2.7.12	HOLD	
6.2.8	Test purposes for PES - ISDN, Basic call	
6.2.8.1	Successful - PES	
6.2.8.2	Unsuccessful - PES	
6.2.9	Test purposes for PES-ISDN, Supplementary services	
6.2.9.1	CLIP.	
6.2.9.2	CLIR	
6.2.9.3	CFU	
6.2.9.4	CFB	
6.2.9.5	CFNR	
6.2.9.6	MCID	

6.2.9.7	CUG	338
6.2.9.8	CCBS	338
6.2.9.9	CCNR	339
6.2.9.10	DDI	340
6.2.9.11	ECT	341
6.2.9.12	HOLD	342
6.2.10	Test purposes for ISDN-PES, Basic call	343
6.2.10.1	Successful-Speech	343
6.2.10.2	Successful-Audio	345
6.2.10.3	Successful-UDI/TA	347
6.2.10.4	Unsuccessful-Speech	348
6.2.10.5	Unsuccessful-UDI	349
6.2.10.6	Unsuccessful-audio	349
6.2.10.7	Unsuccessful-UDI/TA	350
6.2.11	Test purposes for ISDN-PES, Supplementary services	355
6.2.11.1	CLIP	355
6.2.11.2	CLIR	356
6.2.11.3	COLP	357
6.2.11.4	COLR	357
6.2.11.5	CUG	357
6.2.11.6	CFU	358
6.2.11.7	CFB	359
6.2.11.8	CFNR	360
6.2.11.9	UUS1	361
6.2.11.10	CCBS	361
6.2.11.11	CCNR	364
6.2.11.12	ECT	367
6.2.11.13	HOLD	368
Annex A ((informative): Bibliography	370
History		372

Intellectual Property Rights

Essential patents

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

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

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

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).

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

1 Scope

The present document specifies the Test Suite Structure and Test Purposes (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].

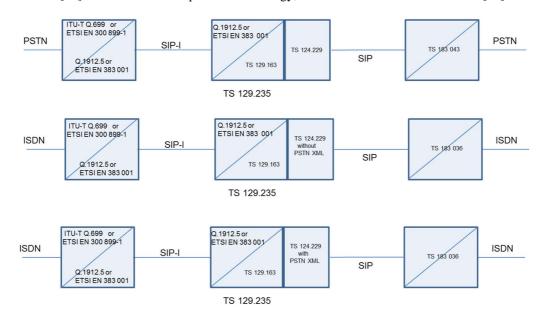


Figure 1: ISDN-ISDN and PSTN- PSTN inter-working testing architecture with SIP-I and ETSI TS 129 235 [43] based Interworking

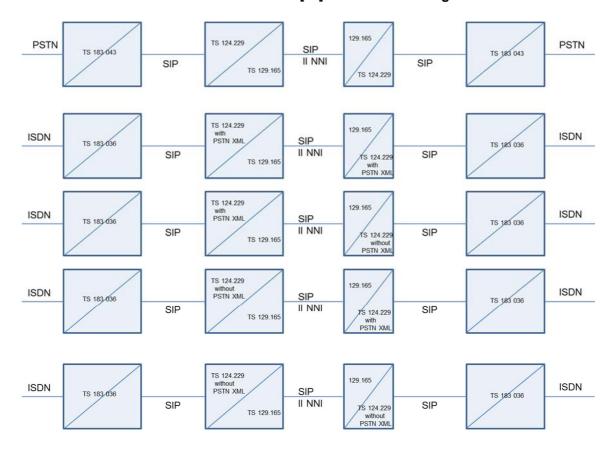


Figure 2: ISDN-ISDN and PSTN-PSTN inter-working testing architecture with SIP II NNI

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 referenced document (including any amendments) applies.

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

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

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

r	ie following refere	enced 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".
	[10]	ETSI EN 300 286-1: "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
	[11]	ETSI EN 300 185-1: "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol;

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

Part 1: Protocol specification".

[12]

- [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 Switched Telephone Network (PSTN); General technical requirements for equipment connected to an analogue subscriber interface in the PSTN".

- [31] ETSI ETS 300 648: "Public Switched Telephone Network (PSTN); Calling Line Identification Presentation (CLIP) supplementary service; Service description".
- [32] ETSI EN 300 659-1: "Access and Terminals (AT); Analogue access to the Public Switched Telephone Network (PSTN); Subscriber line protocol over the local loop for display (and related) services; Part 1: On-hook data transmission".
- [33] Recommendation ITU-T V.110: "Support by an ISDN of data terminal equipments with V-Series type interfaces".
- [34] Recommendation ITU-T X.30: "Support of X.21, X.21 bis and X.20 bis based Data Terminal Equipments (DTEs) by an Integrated Services Digital Network (ISDN)".
- [35] Recommendation ITU-T Q.1912.5 (2004): "Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol or ISDN User Part".
- [36] ETSI EN 383 001 V1.1.1: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control (BICC) Protocol or ISDN User Part (ISUP) [ITU-T Recommendation Q.1912.5, modified]".
- [37] ETSI EN 300 899-1 (V1.1.2): "Integrated Services Digital Network (ISDN); Signalling System No.7; Interworking between ISDN User Part (ISUP) version 2 and Digital Subscriber Signalling System No. one (DSS1); Part 1: Protocol specification [ITU-T Recommendation Q.699, modified]".
- [38] Recommendation ITU-T Q.931 (05/98): "ISDN user-network interface layer 3 specification for basic call control".
- [39] ETSI TS 124 229: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 Release 10)".
- [40] ETSI TS 129 163: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Swhiched (CS) networks (3GPP TS 29.163 Release 10)".
- [41] ETSI TS 183 043: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); IMS-based PSTN/ISDN Emulation; Stage 3 specification".
- [42] ETSI TS 183 036: "Core Network and Interoperability Testing (INT); ISDN/SIP interworking; Protocol specification".
- [43] ETSI TS 129 235 (V10.3.0): "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between SIP-I based circuit-switched core network and other networks (3GPP TS 29.235 version 10.3.0 Release 10)".
- [44] ETSI TS 124 654 (V12.0.0): "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification (3GPP TS 24.654 version 12.0.0 Release 12)".
- [45] ETSI TS 186 001-1 (V3.1.1) (2015-11): "Core Network and Interoperability Testing (INT); Network Integration Testing between SIP and ISDN/PSTN network signalling protocols; Part 1: Test Suite Structure and Test Purposes (TSS&TP) for SIP-ISDN".
- [46] ETSI EN 300 052-1 (V1.2.4) (1998-06): "Integrated Services Digital Network (ISDN); Multiple Subscriber Number (MSN) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

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 referenced document (including any amendments) applies.

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

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 $O.152$ (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 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the following terms 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 "Recommendation 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.9]"

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 "Recommendation 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 Recommendation ITU-T 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 1×10^{-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

videotelephony fallback not allowed SETUP message: SETUP message containing a single BC = UDI/TA and a single HLC = videotelephony_ic

3.2 Symbols

Void.

3.3 Abbreviations

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

3PTY Three-ParTY conference

AGCF Access Gateway Control Function

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)
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
MSN Multiple subscriber number
NIT Network Integration Testing
NNI Network to Network Interface

NP Network Provided NPI Numbering Plan Indicator OA Outgoing Allowed

OAE Outgoing access, explicit request required

OAI Outgoing access, implicit outgoing access for all communications

OCB Outgoing Called Baring Originating Local Exchange **OLE** Open Network Provision **ONP** Open Systems Interconnection OSI **PCMA** Pulse-Code-Modulation- A law **PCMU** Pulse-Code-Modulation- U law **PES PSTN** Emulation System PΙ Presentation Indicator

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

PLMN Public Land Mobile Network
PR Presentation Restricted
PRS Provide Pandom Pinery Sequel

PRBS PseudoRandom Binary Sequence PSTN Public Swhiched Telephone Network

PT Posture Transport

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
UDI Unrestricted Digital Information

UDI/TA Unrestricted Digital Information with Tone and Announcements
UDI-TA Unrestricted Digital Information with Tones/Announcements

UDUB User Determined User Busy

UI User Information

UPVP User Provided Verified Passed UUS User-to-User Signalling

UUS1 UUS service 1
UUS2 UUS service 2
UUS3 UUS service 3
VA VAriable
VGW Voice Gateway

XML eXtensible Markup Language

4 Void

5 Test Suite Structure (TSS)

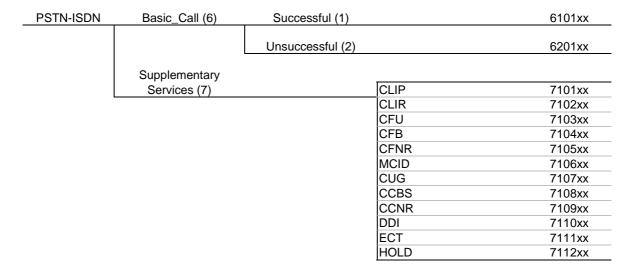
5.1 ISDN-ISDN

ISDN-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
			MSN	2125xx
	B-channel (3)	(0)	Speech	3001xx
	- \-/	\ /	UDI	3002xx
			Audio	3003xx
			UDI-TA	3004xx
			1==	000

5.2 ISDN-PSTN

4101xx 4102xx
4103xx
4201xx
4202xx
4203xx
4204xx
5101xx
5102xx
5103xx
5104xx
5105xx
5106xx
5107xx
5108xx
5109xx
5110xx
5111xx
5112xx
5113xx

5.3 PSTN-ISDN



5.4 PES-ISDN

PES-ISDN	Basic_Call (8)	Successful (1)		8101xx
		Unsuccessful (2)		8201xx
	Supplementary			
	Services (9)		CLIP	9101xx
			CLIR	9102xx
			CFU	9103xx
			CFB	9104xx
			CFNR	9105xx
			MCID	9106xx
			CUG	9107xx
			CCBS	9108xx
			CCNR	9109xx
			DDI	9110xx
			ECT	9111xx
			HOLD	9112xx

5.5 ISDN-PES

ISDN-PES	Basic_Call (10)	Successful (1)	Speech	10101xx
			Audio	10102xx
			UDI -TA	10103xx
		Unsuccessful (2)	Speech	10201xx
			UDI	10202xx
			Audio	10203xx
			UDI -TA	10204xx
	Supplementary		'-	
	Services (11)		CLIP	11101xx
			CLIR	11102xx
			COLP	11103xx
			COLR	11104xx
			CUG	11105xx
			CFU	11106xx
			CFB	11107xx
			CFNR	11108xx
			UUS1	11109xx
			CCBS	11110xx
			CCNR	11111xx
			ECT	11112xx
			HOLD	11113xx

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> <Test group>: 1 digit field representing group reference according to TSS 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 reference to: ETSI EN 300 403-1 [1]	Other relevant references:	
TSS reference:	Test Suite Structure reference		
Selection criteria:	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 se		n. 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 6.4×10^{-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 1.5×10^{-3} .

6.2 Test Purposes

6.2.1 Test purposes for ISDN-ISDN, Basic call

6.2.1.1 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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	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.	
	The called party IE shall be corre	ctly delived to the called user (e.g. DDI, MSN)	

ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:	ALERTING: PI#8		
	SETUP: BC = speech, no HLC		
called user:	OETOT: BO = speecif, floring		
Comments:	Numbering options		
Comments.	only subscriber number (Type of Number =unknown)		
	"0"+area code + subscriber number (Type of Number=unknown)		
	 "00"+ country code "+area code + subscriber number (Type of Number=unknown) 		
	only subscriber number (Type of Number=subscriber)		
	"0"+area code + subscriber number (Type of Number=subscriber)		
	 "00"+ country code "+area code + subscriber number (Type of Number=subscriber) 		
	area code + subscriber number (Type of Number=national)		
	country code + area code + subscriber number (Type of Number=international)		
110101A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1		
	Q.931 [38], clauses 5.1 and 5.2 Recommendation 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/110101A		
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. The called party IE shall be correctly delived to the called user (e.g. DDI, MSN)		
ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")		
	CONNECT:		
called user:	SETUP: BC = 3,1 kHz audio; PI#1 ("Call is not end-to-end ISDN: further call progress information may be available in-band")		
Comments:	Numbering options		
	only subscriber number (Type of Number =unknown)		
	"0"+area code + subscriber number (Type of Number=unknown)		
	 "00"+ country code "+area code + subscriber number (Type of Number=unknown) 		
	only subscriber number (Type of Number=subscriber)		
	"0"+area code + subscriber number (Type of Number=subscriber)		
	 "00"+ country code "+area code + subscriber number (Type of Number=subscriber) 		
	area code + subscriber number (Type of Number=national)		
	country code + area code + subscriber number (Type of Number=international)		

110101B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T=Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.699 [24], clauses 2.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 Recommendation 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 not supported from the calling AGW/VGW		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly. The called		
100110	party IE shall be correctly delived to the called user (e.g. DDI, MSN)		
calling user:	ALERTING:		
	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:	Numbering options		
	only subscriber number (Type of Number =unknown)		
	"0"+area code + subscriber number (Type of Number=unknown)		
	 "00"+ country code "+area code + subscriber number (Type of Number=unknown) 		
	only subscriber number (Type of Number=subscriber)		
	"0"+area code + subscriber number (Type of Number=subscriber)		
	 "00"+ country code "+area code + subscriber number (Type of Number=subscriber) 		
	area code + subscriber number (Type of Number=national)		
	country code + area code + subscriber number (Type of Number=international)		

110101C	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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:		pported from the calling and called AGW/VGW	
Test purpose:		g en-bloc sending with SENDING COMPLETE IE is	
	1.	rty IE shall be correctly delived to the called user (e.g.	
	DDI, MSN)		
	SETUP: BC = speech, no HLC; SE	INDING COMPLETE	
calling user:	ALERTING: PI#8		
100110			
	SETUP: BC = speech, no HLC; SENDING COMPLETE		
called user:	Normalia anima a antima a		
Comments:	Numbering options	- (N)	
	only subscriber number (1)	Type of Number =unknown)	
	"O" Lorgo godo Loubogriba	or number (Tune of Number, unknown)	
	U +area code + subscribe	er number (Type of Number=unknown)	
	• "00" Locuptry code "Loros	a code + subscriber number (Type of	
	Number=unknown)	a code + subscriber number (Type or	
		only subscriber number (Type of Number=subscriber)	
	offiny subscriber flumber (1	Only subscriber number (Type of Number=subscriber)	
	 "0"+area code + subscriber number (Type of Number=subscriber) 		
	- 0 Farea code + Subscribe	or Hamber (Type or Hamber-Subscriber)	
	"00"+ country code "+area	a code + subscriber number (Type of	
	Number=subscriber)	2 3340 . Sabsonbor Hambor (1)po or	
	,	umber (Type of Number=national)	
	 country code + area code 	+ subscriber number (Type of Number=international)	
L	, ,	/ //	

110101D	ICDN reference to:	Other relevant references
1101010	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110101D
Selection criteria:	PSTN XML and early media are no	ot supported from the called AGW/VGW
Test purpose:	Ensure that call establishment using	g en-bloc sending with SENDING COMPLETE IE is
	performed correctly. The called part	rty IE shall be correctly delived to the called user (e.g.
	DDI, MSN)	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:		o-end ISDN: further call progress information may be
	available in-band")	γ
	aramazio iii zaiia ,	
	CONNECT	
ISDN Parameter values	SETUP: BC = 3.1 kHz audio: PI#10	("Call is not end-to-end ISDN: further call progress
called user:	information may be available in-bal	
canca acor.	ALERTING: PI#8	, ,
Comments:	Numbering options	
	only subscriber number (Type of Number =unknown)	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	"0"+area code + subscribe	er number (Type of Number=unknown)
	o raida dede i edebenib	or riambor (1900 or riambor—arminown)
	 "00"+ country code "+area 	a code + subscriber number (Type of
	Number=unknown)	a code i subscriber number (Type or
		Type of Number=subscriber)
	• Only subscriber number (1	type of Number=Subscriber)
	"O" Lorgo godo L gubocrib	or number (Type of Number, subscriber)
	• U +area code + subscribe	er number (Type of Number=subscriber)
	OO	anda i aukaasikas ausakas (Tura af
		a code + subscriber number (Type of
	Number=subscriber)	
	area code + subscriber nu	umber (Type of Number=national)
	 country code + area code 	+ subscriber number (Type of Number=international)

110101E	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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:		ot supported from the calling AGW/VGW	
Test purpose:		g en-bloc sending with SENDING COMPLETE IE is	
		ty IE shall be correctly delived to the called user (e.g.	
	DDI, MSN)		
	SETUP: BC = speech, no HLC; SE	NDING COMPLETE	
calling user:	ALERTING: PI#8		
	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")		
0	ALERTING		
Comments:	Numbering options	5 m = af Niversham vonder soom)	
	only subscriber number (1)	ype of Number =unknown)	
	"0"+area code + subscribe	er number (Type of Number=unknown)	
		a code + subscriber number (Type of	
	,	Number=unknown)	
	only subscriber number (T	 only subscriber number (Type of Number=subscriber) 	
	"0"+area code + subscribe	• "0"+area code + subscriber number (Type of Number=subscriber)	
	• "00"+ country code "+area	a code + subscriber number (Type of	
	Number=subscriber)		
	area code + subscriber nu	ımber (Type of Number=national)	
	country code + area code	+ subscriber number (Type of Number=international)	

110102	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110102	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:		g overlap sending is performed correctly. The called
	party IE shall be correctly delived to	o the called user (e.g. DDI, MSN)
ISDN Parameter values	BC = speech, no HLC;	
calling user:	ALERTING: PI#8	
ISDN Parameter values	BC = speech	
called user:	SETUP: BC = speechALERTING	
Comments:		

110102A	ISDN reference to:	Other relevant referencess:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1	
		Jan. 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 [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. The called		
	party IE shall be correctly delived to the called user (e.g. DDI, MSN)		
ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be		
	available in-band");		
	CONNECT		
ISDN Parameter values	BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress information		
called user:	may be available in-band")		
	ALERTING: CONNECT:		
Comments:			

110102B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/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. The called party IE shall be correctly delived to the called user (e.g. DDI, MSN)	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#8	
	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")	
	ALERTING	
Comments:		

4404000	ICDN reference to:	Other relevant references
110102C	ISDN reference to:	Other relevant referencess:
	ETSI EN 300 403-1 [1], cl	
	5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and
	Recommendation ITU-T	3.1.1
	Q.931 [38], clauses 5.1 a	
		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
=00 (ETSI TS 183 043 [41], clause 5.2.7
TSS reference:		ccessful/Speech/110102C
Selection criteria:		dia are supported from the calling AGW/VGW
Test purpose:		ment is performed correctly when the called user is using overlap
		e called party IE shall be correctly delived to the called user (e.g.
	DDI, MSN)	
Test Procedures		Expected Results
1. A dials digit by digit r	not all digits of B's	AGCF forwards INVITE after interdigit timeout - the call is
number		unsuccessful
2. A dials digit by digit of	dial all digits of B's	2. AGCF forwards INVITE after interdigit timeout - the call is
number		successful
3. A dials digit by digit of		3. AGCF forwards INVITE after interdigit timeout - the call is
number and additional d		successful
4. A dials digit by digit of		4. AGCF forwards INVITE after receiving "sending complete" -
number and additional d	igits and "sending	the call is successful
complete"		5. AGCF forwards INVITE after interdigit timeout - the call is
5. A dials enbloc not all		unsuccessful
6. A dials enbloc all dig		6. AGCF forwards INVITE after interdigit timeout - the call is
7. A dials enbloc all dig	its of B's number and	successful
additional digits		7. AGCF forwards INVITE after interdigit timeout - the call is
8. A dials enbloc all dig		successful
additional digits and afte	er 3 sec "sending	8. AGCF forwards INVITE after receiving "sending complete" -
complete"		the call is successful
9. A dials enbloc all digits of B's number and		9. AGCF forwards INVITE after receiving "sending complete" -
additional digits and "sending complete"		the call is successful
10. A dials enbloc three digits of B's number and		10. AGCF forwards INVITE after interdigit timeout - the call is
after 3 sec further digits (digit by digit)		successful
ISDN Parameter values calling user:		SETUP: BC = speech, no HLC
ISDN Parameter values called user:		SETUP: BC = speech, no HLC
Comments:		

110103	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110103		
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW	
Test purpose:		dure is performed correctly when the calling user clears	
	after answer. The called party IE sh	nall be correctly delived to the called user (e.g. DDI,	
	MSN)		
ISDN Parameter values	SETUP: BC = speech, no HLC		
calling user:	ALERTING: PI#8		
ISDN Parameter values	SETUP: BC = speech, no HLC		
called user:	ALERTING		
Comments:			

110103A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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	
	ALERTING: PI#1("Call is not end-to	o-end ISDN: further call progress information may be
	available in-band")	
	CONNECT:	
	DISC: # 16	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#8	
	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:		

110103B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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	
	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")	
	CONNECT DISC: # 16	
ISDN Parameter values	SETUP: BC = speech, no HLC	
calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band") PI#8	
	DISC#16	
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")	
	DISC#16	
Comments:		

110104	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110104	
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW
Test purpose:	Ensure that the call clearing proced after answer	dure is performed correctly when the called user clears
ISDN Parameter values calling user:	SETUP:BC = speech, no HLC ALERTING: PI#8 DISC#16	
ISDN Parameter values		
called user:	ALERTING DISC#16	
Comments:		

110104A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECTDISC#16	
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")	
	ALERTING	
	DISC#16	
Comments:		

110104B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1
		Jan. 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/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:	ALERTING: PI#8	
	DISC#16	
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")	
	DISC#16	
Comments:		

110105	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110105	
Selection criteria:	Telephony 3,1 kHz teleservice; PSTN 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	
ISDN Parameter values	SETUP:BC = speech, HLC = telephony	
calling user:	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = speech, HLC = telephony	
called user:	ALERTING:	
Comments:		

110105A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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
T00	10001 10001/Di11/0	ETSI TS 183 043 [41], clause 5.2.7
TSS reference:	ISDN-ISDN/Basic_call/Successful/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:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band"); PI#8	
	CONNECT:	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio; ("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band");	
	HLC ,	
Comments:		

	1	
110105B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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:		-
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:		

110106	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/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	
calling side:	ALERTING: PI#2"destination address is non-ISDN"	
Parameter values	SETUP: BC = speech HLC = telephony	
callied side:	ALERTING: PI#2"destination address is non-ISDN"	
Comments:		

110106A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/S	Speech/110106A
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 - ALERT message	
	cannot be transported correctly to the calling user	
ISDN Parameter values	SETUP: BC = speech HLC = telephony	
calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	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")	
	ALERTING: PI#2"destination addre	ess is non-ISDN"
	CONNECT:	
Comments:		

110106B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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	
	SETUP: BC = speech; HLC = telephony	
calling user:	ALERTING: PI#8	
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")	
	ALERTING; PI#2 "destination address is non-ISDN"; PI#8	
Comments:		

	T	T	
110107	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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	SETUP: BC = speech, HLC = telephony		
calling side:	CONNECT: PI#2"destination address is non-ISDN"		
Parameter values		SETUP: BC = speech, HLC = telephony	
called side:	CONNECT: PI#2"destination address is non-ISDN"		
Comments:			

110107A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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, 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:		

110107B	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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: 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")		
	CONNECT: PI#2"destination address is non-ISDN"		
Comments:			

110108	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110108		
Selection criteria:	ISDN = point-to-point Configuration: with DDI; PSTN XML and early media are 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 The called party IE shall be correctly delived to the called user (e.g. DDI, MSN)</dynamic-pt>
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
	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:	

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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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: 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</dynamic-pt>		
	Table 5 applies.	rtpmap: <dynamic-p1> is used the codecs in</dynamic-p1>	
		elived to the called user (e.g. DDI, MSN)	
ISDN Parameter	BC = speech, no HLC		
values calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be available in-band")		
ISDN Parameter	BC = 3,1 kHz audio; PI#1 (Call is not end-to-end ISDN: further call progress information		
values called user:	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	distant.	
	Case c) Supported: 100 rel and precon	aition	
	a = line (PIXIT - Table 5)		
	b = line (PIXIT - Table 5)		
	m = line (PIXIT - Table 5)		
Comments:			

110109A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and	
	and 5.2	3.1.1	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24],	
	Q.931 [38], clauses 5.1 and 5.2	clauses 2.1.1 and 3.1.1	
		Recommendation 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/110109A		
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>		
	The called party IE shall be correctly delived to the called user (e.g. DDI, MSN)		
ISDN Parameter values	BC = speech, no HLC		
calling user:	ALERTING: 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; PI#1("Call is not end-to-end ISDN: further call progress
called user:	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)

110109B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110109B
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 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 The called party IE shall be correctly delived to the called user (e.g. DDI, MSN)</dynamic-pt>
ISDN Parameter values calling user:	BC = speech, no HLC ALERTING: PI#8
ISDN Parameter values called user:	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)

110110	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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	n: with DDI upported from the calling and 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. The called party IE shall be correctly delived to the called user (e.g. DDI, MSN)</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=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:		

110110A	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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	ISDN = point-to-point Configuration: with DDI	
	PSTN XML and early media are n	ot supported from and called AGW/VGW	
Test purpose:		es 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 me	edia 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</dynamic-pt>		
	Table 5 applies.		
		ctly delived to the called user (e.g. DDI, MSN)	
ISDN Parameter values	BC = speech, no HLC		
calling user:			
ISDN Parameter values	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")		

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:	

110110B	ISDN reference to:	Other relevant references:	
1.01.02	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35],	
	discr [so], siadess sir dia siz	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		
		ot supported from the calling AGW/VGW	
Test purpose:		es an ALERTING message when the ISDN User in	
' '		TING message. Ensure that in the active call state	
		edia 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</dynamic-pt>	
	Table 5 applies.		
	The called party IE shall be correct	ctly delived to the called user (e.g. DDI, MSN)	
ISDN Parameter values	BC = speech, no HLC		
calling user:	ALERTING: PI#8		
ISDN Parameter values	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")		
SIP Parameter values:	Dial string parameters options=Pl	XIT	
	PIXIT for supported header:		
	Case a) no 100 rel		
	Case b) Supported: 100 rel		
	Case c) Supported: 100 rel and pr	recondition	
	a = line (PIXIT - Table 5)		
	b = line (PIXIT - Table 5)		
	m = line (PIXIT - Table 5)		
Comments:			

110111	ISDN reference to:	Other relevant references:
110111	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
	(d.551 [55], clauses 5.1 and 5.2	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:	_	pported from the calling and called AGW/VGW
Test purpose:		s an ALERTING message when the ISDN User in call
l est purpose.		6 message. Ensure that the ringing tone can be heard
		the active call state (N10) the transfer of tone or
		B-channels is performed correctly (e.g. testing QoS
		s-channels is performed correctly (e.g. testing QoS
ICDN Daramatar	parameters)	
ISDN Parameter	BC = speech, no HLC	
values calling user:	ALERTING: PI#8	
ISDN Parameter	BC = speech, no HLC	
values called user:		
SIP Parameter values:	Dial string parameters options=PIX	IIT
	PIXIT for supported header:	
	Case a) no 100 rel	
	Case b) Supported: 100 rel	
	Case c) Supported: 100 rel and pre	econdition
	a = line (PIXIT)	
	b = line (PIXIT)	
	m = line (PIXIT)	
Comments:		

110111A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110111A
Selection criteria:	PSTN XML and early media are no	ot supported from the called AGW/VGW
Test purpose:	Ensure that the ISDN user received	s an ALERTING message when the ISDN User in call
		G message. Ensure that the ringing tone can be heard
		the active call state (N10) the transfer of tone or
	announcement on the media and E	B-channels is performed correctly (e.g. testing QoS
	parameters)	
ISDN Parameter	BC = speech, no HLC	
values calling user:	ALERTING: PI#8	
ISDN Parameter		not end-to-end ISDN: further call progress information
values called user:	may be available in-band")	
SIP Parameter values:	Dial string parameters options=PIX	(IT
	PIXIT for supported header:	
	Case a) no 100 rel	
	Case b) Supported: 100 rel	
	Case c) Supported: 100 rel and pre	econdition
	a = line (PIXIT)	
	b = line (PIXIT)	
	m = line (PIXIT)	
Comments:		

110111B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:		t supported from the calling AGW/VGW
Test purpose:	Ensure that the ISDN user receives an ALERTING message when the ISDN User in call state U09 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	BC = speech, no HLC	
values calling user:	ALERTING: PI#8	
ISDN Parameter values called user:	may be available in-band")	not end-to-end ISDN: further call progress information
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:		

110112	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110112	
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW	
	ISDN = point-to-point Configuration	n: with DDI	
Test purpose:	To verify that progress indicator inf	ormation included in the ISDN - CALL PROCEEDING	
	message can be transported correctly to the calling user		
ISDN Parameter	SETUP: BC = speech HLC = telephonyCALL PROCEEDING: progress indicator #2		
values calling user:	"destination address is non-ISDN"		
ISDN Parameter	SETUP: BC = speech, HLC = telephony,		
values called user:	CALL PROCCEDING: progress indicator #2 "destination address is non-ISDN"		
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:			

110113	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110113	
Selection criteria:	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 -PROGRESS message	
	can be transported correctly to the calling user.	
ISDN Parameter	SETUP: BC = speech HLC = telephony	
values calling user:	PROGRESS: progress indicator #2 "destination address is non-ISDN".	
ISDN Parameter	SETUP: BC = speech, HLC = telephony,	
values called user:	PROGRESS: progress indicator #2 "destination address is non-ISDN".	
SIP Parameter values:	Dial string parameters options=PIX	IT III
	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:		

6.2.1.2 Successful - UDI

110201	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38] clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110201	
Selection criteria:		
Test purpose:	Ensure that call establishment using en-bloc sending is performed correctly	
Parameter values:	BC = UDI, no HLC	
Comments:		

110202	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38] clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38] clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.1912.5 [35], clauses 6.2
TSS reference:	ISDN-ISDN/Basic call/Successfu	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
Selection criteria:		JI/ODI/110203
Selection chiena.		
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 reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110204		
Selection criteria:			
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears		
	after answer		
Parameter values:	BC = UDI, no HLC	BC = UDI, no HLC	
Comments:			

110205	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110205	
Selection criteria:	Telefax G4 teleservice	
Test purpose:	Support of Telefax G4 teleservice (no LLC): Ensure that the HLC information is transported transparently through the network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = facsimile group 4, no LLC	
Comments:		

110206	and 5.2 Recommendation ITU-T	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110206		
Selection criteria:	Telefax G4 teleservice	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 reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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 mode, LLC = telematic_term	
Comments:		

110208	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110208	
Selection criteria:	Teletex terminal (basic and proce	essable mode)	
Test purpose:	Support of teletex basic and proc	Support of teletex basic and processable mode terminals: Ensure that the LLC and HLC	
	information is transported transpa	arently through the network and correctly delivered to the	
	called user		
Parameter values:	BC = UDI, HLC = teletex process	BC = UDI, HLC = teletex processable, LLC = telematic_term	
Comments:			

110209	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110209
Selection criteria:	Teletex terminal (basic mode)	
Test purpose:	Support of teletex basic 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 basic, LLC = telematic_term	
Comments:		

110210	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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	

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

Comments:			
		1	
110211	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37] 37, clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110211	
Selection criteria:	Telex service		
Test purpose:	Support of telex service: Ensure that 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 reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2	
		and 7.1	

110213	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110213	
Selection criteria:	OSI applications	
Test purpose:	Support of OSI application: Ensure that the HLC information is transported transparently	
	through the network and correctly delivered to the called user	
Parameter values:	BC = UDI, HLC = OSI application, no LLC	
Comments:		

Support of Message Handling Systems: Ensure that the HLC information is transported

transparently through the network and correctly delivered to the called user

ISDN-ISDN/Basic_call/Successful/UDI/110212 Message Handling Systems

BC = UDI, HLC = message handling system, no LLC

TSS reference: Selection criteria:

Test purpose:

Comments:

Parameter values:

110214	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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:	Recommendation ITU-T V.110 [33	3]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Reco	
		: Ensure that the BC information is transported
		and correctly delivered to the called user.
Parameter values:	BC = Recommendation ITU-T V.1	10 [33]/Recommendation ITU-T X.30 [34] synchronous
	user rate 2,4 kbit/s, no LLC	
Comments:		

110216	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ıl/UDI/110216
Selection criteria:	Recommendation ITU-T V.110 [3	3]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Rec	ommendation 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 9,6 kbit/s, no LLC	
Comments:		

110217	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/Successfu	I/UDI/110217
Selection criteria:	Recommendation ITU-T V.110 [33	3]/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.1 user rate 19,2 kbit/s, no LLC	10 [33]/Recommendation ITU-T X.30 [34] synchronous
Comments:		

110218	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110218
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 LLC information is transported
	transparently through the network	and correctly delivered to the called user.
Parameter values:	BC = UDI, LLC = Recommendation	n ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]
	synchronous user rate 2,4 kbit/s	
Comments:		

110219	ISDN reference to:	Other relevant references:
	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 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	I/UDI/110219
Selection criteria:	Recommendation ITU-T V.110 [3	3]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Rec	ommendation ITU-T V.110 [33]/
]: Ensure that the LLC information is transported and correctly delivered to the called user
Parameter values:	BC = UDI, LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
arameter values.	synchronous user rate 9,6 kbit/s	on tro-1 v.rro [55]/Neconintendation 110-1 A.50 [54]
Comments:		

110220	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110220	
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 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/Successfu	I/UDI/110221
Selection criteria:	Recommendation ITU-T V.110 [3	3]/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 synchronous user rate 2,4 kbit/s	J-T V.110 [33]/Recommendation ITU-T X.30 [34]
Comments:		

110222	ISDN reference to:	Other relevant references:
	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 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	I/UDI/110222
Selection criteria:	Recommendation ITU-T V.110 [3	3]/Recommendation ITU-T X.30 [34] rate adaption
Test purpose:	Support of terminal adaptors Rec	ommendation ITU-T V.110 [33]/
]: Ensure that BC and LLC information is transported and correctly delivered to the called user
Parameter values:		J-T V.110 [33]/Recommendation ITU-T X.30 [34]
Comments:		

110223	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 7,1 and 0.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successfu	I/UDI/110223
Selection criteria:	Recommendation ITU-T V.110 [3	3]/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:		J-T V.110 [33]/Recommendation ITU-T X.30 [34]
Comments:		

110224	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ıl/UDI/110224

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]	
	asynchronous user rate 2,4 kbit/s, no LLC	
Comments:		

110225	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ıl/UDI/110225	
Selection criteria:	Recommendation ITU-T V.110 [3	3]/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	k and correctly delivered to the called user	
Parameter values:	BC = Recommendation ITU-T V.	BC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	asynchronous user rate 9,6 kbit/s	s, no LLC	
Comments:			

440000	IODNI	Otherwalesant actions	
110226	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38] clauses 5.1 and 5.2	Recommendation 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/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110226	
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	k and correctly delivered to the called user	
Parameter values:	BC = Recommendation ITU-T V.	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 reference to:	Other relevant references:
	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
	Recommendation ITU-T	ETSI EN 300 899-1 [37], clauses 2.1.1 and
	Q.931 [38], clauses 5.1 and 5.2	3.1.1
		Recommendation ITU-T Q.699 [24], clauses 2.1.1
		and 3.1.1
		Recommendation 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:		

110228	ISDN reference to: ETSI EN 300 403-1 [1],	Other relevant references: ETSI ETS 300 103 [i.1], annex I
	clauses 5.1 and 5.2	ETSI EG 201 018 [i.15], clause 7.1.1
	Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1
	Q.931 [36], clauses 3.1 and 3.2	Recommendation ITU-T Q.699 [24], clauses 2.1.1
		and 3.1.1
		Recommendation 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI ETS 300 103 [i.1], annex I ETSI EG 201 018 [i.15], clause 7.1.1 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 reference to:	Other relevant references:
	ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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 reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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:		

110232	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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 ITI	BC = LLC = Recommendation ITU-T V.110 [33]/Recommendation ITU-T X.30 [34]	
	asynchronous user rate 19,2 kbit/	's	
Comments:			

110233	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
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.1 user rate 56 kbit/s, no LLC	10 [33]/Recommendation ITU-T X.30 [34] synchronous
Comments:		

110234	ISDN reference to:	Other relevant references:
110204	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 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110234	
Selection criteria:	Recommendation ITU-T V.110 [33	3]/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 reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ISDN-ISDN/Basic_call/Successful/UDI/110235	
Selection criteria:	Recommendation ITU-T V.110 [3	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:			

110236	ISDN reference to:	Other relevant references:
	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
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation 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/110240	
Selection criteria:	Syntax-based videotex teleservice	
Test purpose:	Support of syntax-based videotex teleservice using end-to-end circuit connection: 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 = syntax-based videotex, LLC = telematic_term	
Comments:		

110237	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.7 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:		

110238	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.8 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 = telematic_term	
Comments:		

6.2.1.3 Successful - Audio

110301	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110301	
Selection criteria:	PSTN XML and early media are supported from calling 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 HLC	
calling user:	ALERTING: PI#8	
ISDN Parameter values	SETUP: BC = 3,1 kHz audio, no HLC	
called user:		
Comments:		

110301A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be
	available in-band"); PI#8
	CONNECT:
	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:	

110301B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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 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:		

110302	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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 HLC	
calling user:	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HLC	
called user:		
Comments:	_	

110302A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")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")	
Comments:		

110302B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/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 calling user:	BC = 3,1 kHz audio, no HLC ALERTING: PI#8	
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-ba	nd")
Comments:		

440000	IODN	Otherwalescent automore
110303	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110303	
Selection criteria:	PSTN XML and early media are su	pported from the calling and called AGW/VGW
Test purpose:	Ensure that the call clearing proced	dure is performed correctly when the calling user clears
	after answer	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HLC	
calling user:	ALERTING: PI#8	
ISDN Parameter values	SETUP:BC = 3,1 kHz audio, no HL	.C
called user:		
Comments:		

110304	ISDN reference to:	Other relevant references:
1.355	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110304	
Selection criteria:	PSTN XML and early media are su	pported 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:	ALERTING: PI#8	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
called user:		
Comments:		

110305	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 > called AGW/VGW	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: Ensur	Support of Telefax G2/G3: Ensure that the HLC information is transported transparently	
	through the network and correctly	through the network and correctly delivered to the called user.	
Parameter values:	SETUP: BC = $3,1$ kHz audio, HL0	SETUP: BC = 3,1 kHz audio, HLC = facsimile group 2/3	
Comments:			

110305A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 not supported from the called	
	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.	
ISDN Parameter values	SETUP BC = 3,1 kHz audio, HLC = facsimile group 2/3	
calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
	CONNECT:	
ISDN Parameter values	BC = 3,1 kHz audio; : PI#1("Call is not end-to-end ISDN: further call progress information	
called user:	may be available in-band")	
Comments:		

110305B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 not 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	
ISDN Parameter values calling user:	SETUP BC = 3,1 kHz audio, HLC = facsimile group 2/3	
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:		

110306	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	Il/Audio/	
Selection criteria:	PSTN XML and early media are supported from the calling and called AGW/VGW		
Test purpose:	To verify that progress informatio	To verify that progress information in the SETUP can be transported correctly to the	
	called user	·	
Parameter values:	SETUP BC = 3,1 kHz audio, prog	SETUP BC = 3,1 kHz audio, progress value #3 "origination address is non ISDN"	
Comments:			

110307	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 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:	A: ! SETUP: BC = 3,1 kHz audio	
	A: ? ALERTING: PI#8; PI#2"destination address is non-ISDN"	
	B: ? BC = 3,1 kHz audio	
	B: ! ALERTING: PI#2"destination a	address is non-ISDN"
Comments:		

110308	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation 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 supported 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 address is non-ISDN"	
	B:? BC = 3,1 kHz audio	
	B:! CONNECT: PI#2"destination address is non-ISDN"	
Comments:		

110309	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	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 kH mode, user rate 2,4 kbit/s	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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110310	
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, 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 is correctly mapped to the called user 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 = 3,1 kHz audio, LLC = 3,1 kHz audio, voice band data via modem, synchronous mode, user rate 56 kbit/s	
Comments:		

110312	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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, 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 2,4 kbit/s	
Comments:		

110313	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/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 reference to:	Other relevant references:	
	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 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	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 of 1,2 kbit/s, no LLC	BC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rate 1,2 kbit/s, no LLC	
Comments:			

110316	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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, 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 day, 8 kbit/s, no LLC	ata via modem, asynchronous mode, user rate
Comments:		

110317	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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, 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, voice band data via modem, asynchronous mode, user rate 19,2 kbit/s, no LLC	
Comments:		

110318	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	ISDN-ISDN/Basic_call/Successful/Audio	
Selection criteria:	Bearer service 3,1 kHz audio; PS and called AGW/VGW	TN XML and early media are supported from the calling	
Test purpose:	Support of voice band data via m	odem. Ensure that the BC = 3,1 kHz audio information	
	and the LLC = 3,1 kHz audio, voice band data via modem, asynchronous mode, user rat		
	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 reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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, 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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	
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:		

440004	IODNI sefesses to	04
110321	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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, 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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, 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 band data via modem, asynchronous mode, user rate 4,8 kbit/s	
Comments:		

110323	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 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 b 19,2 kbit/s	and data via modem, asynchronous mode, user rate
Comments:		

_			
110324	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/	Áudio	
Selection criteria:	ISDN = point-to-point Configuration	n: with DDI;	
	PSTN XML and early media are no	ot supported from the calling and called AGW/VGW	
Test purpose:	Ensure that the ISDN user receive	s a Call Proceedingmessage message when the	
	ISDN User in call state U03 is send	ding a Call Proceedingmessage. Ensure that in the	
	active call state (N10) the voice tra	insfer 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</dynamic-pt>	
	Table 5 applies		
ISDN Parameter	BC = 3,1 kHz audio, no HLC		
values calling user:			
ISDN Parameter	BC = 3,1 kHz audio, no HLC		
values called user:			
SIP Parameter values:	Dial string parameters options=PIX	(IT	
	PIXIT for supported header:		
	Case a) no 100 rel		
	Case b) Supported: 100 rel		
	Case c) Supported: 100 rel and pre	econdition	
	a = line (PIXIT - Table 5)		
	b = line (PIXIT - Table 5)		
	m = line (PIXIT - Table 5)		

110324A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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	
TCC references	ICDN ICDN/Basia call/Cusassaful//A	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference: Selection criteria:	ISDN-ISDN/Basic_call/Successful//A ISDN = point-to-point Configuration:		
Selection criteria.		supported from the called AGW/VGW	
Test purpose:		a Call Proceedingmessage message when the	
rest purpose.		ng a Call Proceedingmessage. Ensure that in the	
		sfer on the media and B-channels is performed	
	correctly (e.g. testing QoS paramete		
		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</dynamic-pt>	
	Table 5 applies.		
ISDN Parameter	BC = 3,1 kHz audio, no HLC		
values calling user:	be available in-band")	end ISDN: further call progress information may	
ISDN Parameter		t end-to-end ISDN: further call progress	
values called user:	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 prec	ondition	
	a = line (PIXIT - Table 5)		
	b = line (PIXIT - Table 5)		
	m = line (PIXIT - Table 5)		
Comments:			

SDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.1912.5 [35], clauses 6.2 and 7.1 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 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 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. ISDN Parameter values calling user: ISDN Parameter values called user:	440004D	ICDN reference to:	Other relevant references
and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation 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 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 (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. ISDN Parameter Values calling user: ISDN Parameter Values calling user: BC = 3,1 kHz audio; Pl#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>	110324B		
Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation 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 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 (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. ISDN Parameter Values calling user: ISDN Parameter Values calling user: BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>			
Q.931 [38], clauses 5.1 and 5.2 Recommendation 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 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 (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. ISDN Parameter values calling user: ISDN Parameter Values calling user:</dynamic-pt>		and 5.2	Recommendation ITU-T Q.699 [24],
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 calling AGW/VGW Test purpose: Ensure that the ISDN user receives a Call Proceedingmessage 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. ISDN Parameter values calling user: ISDN Parameter values values</dynamic-pt>		Recommendation ITU-T	clauses 2.1.1 and 3.1.1
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 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 (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. ISDN Parameter values calling user: ISDN Parameter SETUP BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>		Q.931 [38], clauses 5.1 and 5.2	
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 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 (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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>			
T.2.3.2 ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2			
TSS reference: ISDN-ISDN/Basic_call/Successful//Audio			ETSI TS 129 163 [40], clauses 7.2.3.1 and
TSS reference: ISDN-ISDN/Basic_call/Successful//Audio			7.2.3.2
Selection criteria:			ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
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 (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. ISDN Parameter Values calling user: BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>	TSS reference:	ISDN-ISDN/Basic_call/Successful//A	Audio
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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>	Selection criteria:	ISDN = point-to-point Configuration: with DDI;	
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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>		PSTN XML and early media are not supported from the calling AGW/VGW	
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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>	Test purpose:		
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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>			
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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>			
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. ISDN Parameter Values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress)</dynamic-pt>			
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 BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress</dynamic-pt>			
Table 5 applies. ISDN Parameter values calling user: ISDN Parameter BC = 3,1 kHz audio, no HLC BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress			
ISDN Parameter values calling user: ISDN Parameter BC = 3,1 kHz audio, no HLC BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress		· · · · · · · · · · · · · · · · · · ·	
values calling user: ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	IODN D		
ISDN Parameter BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress		SETUP BC = 3,1 kHz audio, no HLC	;
Information may be available in-hand")			
raides called decr.	values called user:	information may be available in-band	d")

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:	

110325	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24],
	Recommendation ITU-T	clauses 2.1.1 and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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	
		ipported from the calling and called AGW/VGW
Test purpose:		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.
	testing QoS parameters).	
		all state U4 the transfer of tone or announcement
	on the media channel is performed	
		SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter	Table 5 applies. BC = 3,1 kHz audio, no HLC	
	ALERTING: PI#8	
values calling user: ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values called user:	BC = 3,1 kHz audio, no HLC	
SIP Parameter values:	Dial string parameters options=PIX	/IT
or raidifieter values.	Diai string parameters options=F17	XI I
	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)	

110325A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/Au	
Selection criteria:	ISDN = point-to-point Configuration: v	
	PSTN XML and early media are not s	
Test purpose:	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 co	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 prectly. DP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values calling user:	ALERTING: PI#1("Call is not end-to-e be available in-band")	end ISDN: further call progress information may
ISDN Parameter	BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
values called user:	information may be available in-band")	
SIP Parameter values: Comments:	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)	

110325B	ISDN reference to:	Other relevant references:
	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
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24],
	Q.931 [38], clauses 5.1 and 5.2	clauses 2.1.1 and 3.1.1
		Recommendation 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;	
		supported from the calling AGW/VGW
Test purpose:	Ensure that the ISDN user receives an ALERTING message when the ISDN User in	
		NG message. Ensure that in the active call state
		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 co	
		OP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
	Table 5 applies.	
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values calling user:	ALERTING: PI#8	
ISDN Parameter	BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress	
values called user:	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)
Comments:	

110326	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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	udio
Selection criteria:	ISDN = point-to-point Configuration:	with DDI
	PSTN XML and early media are sup	ported from the calling and called AGW/VGW
Test purpose:	Ensure that the ISDN user receives a	an ALERTING message when the ISDN User in call
		message. Ensure that in the active call state (N10)
	the voice transfer on the media and I	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	
	•	DP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>
	Table 5 applies.	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
calling user:	ALERTING: PI#8	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
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 prec	ondition
	a = line (PIXIT - Table 5	
	b = line (PIXIT - Table 5)	
	m = line (PIXIT - Table 5)	
Comments:		

110326A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 Configuratio	
		ot supported from called AGW/VGW
Test purpose:		es an ALERTING message when the ISDN User in
		TING message. Ensure that in the active call state
		edia and B-channels is performed correctly (e.g.
	testing QoS parameters).	
		call state U4 the transfer of tone or announcement
	on the media channel is performed	
	In case when the parameter in the SDP rtpmap: <dynamic-pt> is used the codecs in</dynamic-pt>	
	Table 5 applies.	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
calling user:	ALERTING: 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; PI#1("Call is not end-to-end ISDN: further call progress	
called user:	information may be available in-band")	
SIP Parameter values:	Dial string parameters options=PI	XIT
	DIVIT (
	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 - Table 5)	
	b = line (PIXIT - Table 5)	
	m = line (PIXIT - Table 5)	
Comments:		

110326B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 not supported from the calling 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</dynamic-pt>	
	Table 5 applies.	
ISDN Parameter values	BC = 3,1 kHz audio, no HLC	
calling user:		
ISDN Parameter values	BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress information	
called user:	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)
Comments:	

110327	ISDN reference to:	Other relevant references:
110327	10211101010100	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 su	pported from the calling and called AGW/VGW
Test purpose:	Ensure that the ISDN user receives	s an ALERTING message when the ISDN User in call
	state U09 is sending an ALERTING	6 message. Ensure that the ringing tone can be heard
		the active call state (N10) the transfer of tone or
		B-channels is performed correctly (e.g. testing QoS
	parameters).	, , , , , , , , , , , , , , , , , , ,
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values calling user:		
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values called user:		
SIP Parameter values:	Dial string parameters options=PIX	IT .
	PIXIT for supported header:	
	Case a) no 100 rel	
	Case b) Supported: 100 rel	
	Case c) Supported: 100 rel and pre	econdition
	a = line (PIXIT)	
	b = line (PIXIT)	
	m = line (PIXIT)	
Comments:	, ,	

110327A	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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 no	ot supported from the called AGW/VGW
Test purpose:	Ensure that the ISDN user receives	s an ALERTING message when the ISDN User in call
	state U09 is sending an ALERTING	6 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 E	B-channels is performed correctly (e.g. testing QoS
	parameters).	
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values calling user:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may be	
	available in-band")	
ISDN Parameter		ot end-to-end ISDN: further call progress information
values called user:	may be available in-band")	
SIP Parameter values:	Dial string parameters options=PIX	IT
	PIXIT for supported header:	
	Case a) no 100 rel	
	Case b) Supported: 100 rel	
	Case c) Supported: 100 rel and pre	econdition
	a = line (PIXIT)	
	b = line (PIXIT)	
	m = line (PIXIT)	
Comments:		

110327B	ISDN reference to:	Other relevant references:
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Recommendation ITU-T	and 3.1.1
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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:		ot supported from the calling AGW/VGW
Test purpose:		s an ALERTING message when the ISDN User in call
		6 message. Ensure that the ringing tone can be heard
		the active call state (N10) the transfer of tone or
	announcement on the media and E	B-channels is performed correctly (e.g. testing QoS
	parameters).	
ISDN Parameter	BC = 3,1 kHz audio, no HLC	
values calling user:		
ISDN Parameter		not end-to-end ISDN: further call progress information
values called user:	may be available in-band")	
SIP Parameter values:	Dial string parameters options=PIX	(IT
	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:		

110328	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:		are supported from the calling and called
Test purpose:	between INVITE message and the SI	e mapping of the defined SDP parameters for T.38 ETUP message is performed correctly. Ensure that e transfer on the media and B-channels is 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:	HLC = "Facsimile Group 2/3"	
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 Based on T.38. b = line AS: 64 m = line: VA_Transport; T38 (see Ta	ondition
Comments:		

1103028A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:	FAX G3; PSTN XML and early media 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 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:	ALERTING: PI#1("Call is not end-to-end ISDN: further call progress information may		
	be available in-band") HLC = "Facsimile Group 2/3"		
ISDN Parameter	BC = 3,1 kHz audio; PI#1("Call is not end-to-end ISDN: further call progress		
values called user:	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 Based on T.38. b = line AS: 64 m = line: VA_Transport; T38 (see Table 6)		
Comments:			

110328B	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:	FAX G3; PSTN XML and early media are not supported from the calling AGW/VGW		
Test purpose:	Ensure that call establishment and the mapping of the defined SDP parameters for T.38 between INVITE message and 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 values called user:	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 Based on T.38. b = line AS: 64 m = line: VA_Transport; T38 (see Table 6)		
Comments:			

Table 6

Parameter transport protocol VA_Transport		
VA_Transport_1	udptl	
VA_Transport_2	tcptl	

110329	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:	FAX G3-T.30; PSTN XML and early media are supported from the calling and called AGW/VGW	
Test purpose:	Ensure that call establishment and the mapping of the defined SDP parameters INVITE message and 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 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 pre	econdition
	a = line (PIXIT)	
	b = line (PIXIT)	
	m = line (PIXIT)	
Comments:		

110329A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clause 4.5.18	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
		and 3.1.1	
		Recommendation 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	
TCC votovovos	ICDALICDAL/Design cell/Consequent	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2	
TSS reference:	ISDN-ISDN/Basic_call/Successful/		
Selection criteria:	AGW/VGW	y media are not supported from the called	
T4		the arranging of the defined ODD arrangeton INV/ITE	
Test purpose:		the mapping of the defined SDP parameters INVITE	
		e is performed correctly. Ensure that in the active call	
	, ,	e media and B-channels is performed correctly (e.g.	
ICDN Developer	testing QoS parameters).		
ISDN Parameter	A: ! SETUP = 3,1 kHz audio; A:=? ALERTING : PI#1("Call is not end-to-end ISDN: further call progress information		
values:		end-to-end 15DN: further call progress information	
	may be available in-band")	1("Call is not end-to-end ISDN: further call progress	
	information may be available in-ba		
SIP Parameter values:	Dial string parameters options=PIX		
Sir i arameter values.	Dia of ing paramotors options—i fixer		
	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:			

110329B	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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:	FAX G3-T.30; PSTN XML and earl	y media are not supported from the calling	
	AGW/VGW		
Test purpose:	Ensure that call establishment and	the mapping of the defined SDP parameters INVITE	
		e 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	SETUP = 3,1 kHz audio;		
values:			
SIP Parameter values:	Dial string parameters options=PIX	IIT	
	PIXIT for supported header:		
	Case a) no 100 rel		
	Case b) Supported: 100 rel		
	Case c) Supported: 100 rel and pre	econdition	
	a = line (PIXIT)		
	b = line (PIXIT)		
	m = line (PIXIT)		
Comments:			

6.2.1.4 Successful - UDI/TA

110401	ISDN reference to: ETSI EN 300 403-1 [1],	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1	
	clauses 5.1 and 5.2 Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/Successfu	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 reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110402		
Selection criteria:			
Test purpose:	Ensure that call establishment us	Ensure that call establishment using overlap sending is performed correctly	
Parameter values:	BC = UDI/TA, no HLC		
Comments:			

110403	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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 the call clearing procedure is performed correctly when the calling user clears after answer	
Parameter values:	BC = UDI/TA, no HLC	
Comments:		

		·	
110404	ISDN reference to:	Other relevant references:	
	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	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Recommendation ITU-T	and 3.1.1	
	Q.931 [38], clauses 5.1 and 5.2	Recommendation 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/110404		
Selection criteria:			
Test purpose:	Ensure that the call clearing procedure is performed correctly when the called user clears		
	after answer		
Parameter values:	BC = UDI/TA, no HLC	BC = UDI/TA, no HLC	
Comments:			

110405	ISDN reference to:	Other relevant references:
	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
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation 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 teleservice: 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 I	HLC = telephony

110406	ISDN reference to:	Other relevant references:	
	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	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation 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/Successfu	ıl/UDI-TA/110406	
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.		
Parameter values:	BC = UDI/TA, HLC = videoteleph	BC = UDI/TA, HLC = videotelephony_ic	
Comments:	videotelephony fallback not allow	videotelephony fallback not allowed SETUP message: A SETUP message containing a	
	single BC = UDI/TA and a single HLC = videotelephony_ic		

110407	ISDN reference to:	Other relevant references	
110407		Other relevant references:	
	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	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation 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:	- Telephony UDI-TA teleservice.		
	- Fallback allowed.		
Test purpose:		ervice: Ensure that a telephony 7 kHz fallback allowed	
	SETUP message is transported transparently through the network and on receipt of a		
	CONNECT message, not containing 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:	telephony 7 kHz fallback allowe	telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech ar	d the second BC = UDI/TA, a HLC = telephony.	

110408	ISDN reference to:	Other relevant references:	
	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	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation 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.		
	- Fallback allowed		
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:		telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech an	d the second BC = UDI/TA, a HLC = telephony	

110409	ISDN reference to:	Other relevant references:	
	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	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation 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:	- Telephony UDI-TA teleservice.		
	- Fallback allowed.		
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		
	5	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:		telephony 7 kHz fallback allowed SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech an	d the second BC = UDI/TA, a HLC = telephony	

110410	ISDN reference to:	Other relevant references:	
	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	
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1	
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1	
		Recommendation 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:	- Telephony UDI-TA teleservice.		
	- 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		
	containing a PI = #5 and a BC = speech assumes that the fallback to the telephony		
	3,1 kHz teleservice has occured.		
Parameter values:	! SETUP ? CALL PROCEEDING		
	BC1 = speech BC = speech		
	BC2 = UDI with TA $PI = #5$		
	HLC = telephony		
Comments:		d SETUP message: A SETUP message containing two	
	BCs, with the first BC = speech an	d the second BC = UDI/TA, a HLC = telephony	

110411	ISDN reference to:	Other relevant references:
110411	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
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
	Q.951 [56], clauses 5.1 and 5.2	Recommendation ITU-T Q.1912.5 [35], clauses 6.2
		and 7.1
		ETSI EN 383 001 [36], clauses 7,1 and 6.2
		· · · · · · · · · · · · · · · ·
		ETSLTS 129 163 [40], clauses 7.2.3.1 and 7.2.3.2
TCC reference:	ICDN ICDN/Dasia call/Cusassaful	ETSI TS 183 036 [42], clauses 5.1.1 and 5.1.2
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110411	
Selection criteria:	- Telephony UDI-TA teleservice.	
	- Fallback allowed.	
	T reference point at the destination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:	
		pack 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 ? PROGRESS	
	BC1 = speech BC = speech	
	BC2 = UDI with TA $PI = #5$	
	HLC = telephony	
Comments:	telephony 7 kHz fallback allowed	d SETUP message: A SETUP message containing two
		d the second BC = UDI/TA, a HLC = telephony

110412	ISDN reference to:	Other relevant references:
	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
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation 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 teleservice.	
	 Fallback allowed. 	
	- T reference point at the destination interface.	
Test purpose:	Support of telephony UDI-TA teleservice:	
	• •	back allowed SETUP message is transported
		and on receipt of an ALERTING message containing a
		nes that the fallback to the telephony 3,1 kHz teleservice
	has occurred.	
Parameter values:	! SETUP ? ALERT	
	BC1 = speech BC = speech	1
	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 ar	nd the second BC = UDI/TA, a HLC = telephony

110413	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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/110413
Selection criteria:	Videotelephony teleservice. Fallback allowed.	
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 = videotelephony_ic assumes that fallback has not occurred.	
Parameter values:	! SETUP ? CONNECT BC1 = speech BC = UDI with TA BC2 = UDI with TA HLC = videotelephony_ic 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:	Videotelephony teleservice.Fallback allowed.	
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 TA 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.	

110415	ISDN reference to:	
TSS reference:	ISDN-ISDN/Basic_call/Successful/UDI-TA/110415	
Selection criteria:	Videotelephony teleservice. Fallback allowed.	
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references: ETSI EG 201 018 [i.15], clause 6.3.5 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.699 [24], clauses 2.1.1 and 3.1.1 Recommendation 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:	 Videotelephony teleservice. Fallback allowed. T reference point at the destination interface. 	
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 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 = 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.	

110417	ISDN reference to:	Other relevant references:
	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
	Recommendation ITU-T	Recommendation ITU-T Q.699 [24], clauses 2.1.1
	Q.931 [38], clauses 5.1 and 5.2	and 3.1.1
		Recommendation 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/110417
Selection criteria:	 Videotelephony teleservice 	
	 Fallback allowed. 	
	- T reference point at the destination interface.	
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 tele	phony 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	
		and the second HLC = videotelephony_ic and not
	containing a LLC.	

110418	ISDN reference to: Other relevant references: ETSI EN 300 403-1 [1], clauses 5.1 and 5.2 ETSI EN 300 899-1 [37], clauses 2.1.1 and 3.1.1 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2 Recommendation ITU-T Q.1912.5 [35], clauses 2.1.1 Recommendation 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:	 Videotelephony teleservice. Fallback allowed. T reference point at the destination interface. 	
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

Unsuccessful
Speech

120101	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
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 reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	Recommendation ITU-T		
	Q.931 [38], clauses 5.1 and 5.2		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessf	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 reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38], clauses 5.1 and 5.2	
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120104	
Selection criteria:		
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no user responding (user alerted)"	
Parameter values:	BC = speech	
Comments:		

120105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38], clauses 5.1 and 5.2	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120105	
Selection criteria:		
Test purpose:		ejects the call and responds with a RELEASE ause value #21 "call rejected", the network transport
Parameter values:	BC = speech	
Comments:		

120106	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38], clauses 5.1 and 5.2	
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3	Other relevant references:
	Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1 and 5.2	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Speech/120109	
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 = speech	
Comments:		

6.2.1.6 Unsuccessful - UDI

Unsuccessful
UDI

120201	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120201	
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 = UDI	
Comments:		

120202	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120202	
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 = UDI	
Comments:		

120203	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38], clauses 5.1, 5.2 and	
	5.3	
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI/120204	
Selection criteria:		
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no user responding (user alerted)"	
Parameter values:	BC = UDI	
Comments:		

120205	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
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 reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	Recommendation ITU-T		
	Q.931 [38], clauses 5.1, 5.2 and		
	5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccess	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 cause value #88 "called user not compatible", the network transport the cause value to the calling user		
Parameter values:	BC = UDI		
Comments:			

120208	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
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 reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	Recommendation 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/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 reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation 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 unallocated 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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/Audio/120304	
Selection criteria:		
Test purpose:	Ensure that when no answer from the called user (but user alerted), the network initiate call clearing to the calling user and called user with cause value #19 "no user responding (user alerted)"	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

1	1	T
120305	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38], clauses 5.1, 5.2 and	
	5.3	
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 reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
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 reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	Recommendation ITU-T		
	Q.931 [38], clauses 5.1, 5.2 and		
	5.3		
TSS reference:	ISDN-ISDN/Basic_call/Unsuccess	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 reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],		
	clauses 5.1, 5.2 and 5.3		
	Recommendation 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/120308	
Selection criteria:	Multipoint configuration for the calle	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 reference to:	Other relevant references:	
120000	ETSI EN 300 403-1 [1],	Carlot Tolovana Toloronocca.	
	clauses 5.1, 5.2 and 5.3		
	Recommendation 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/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	e network transport the cause value to the called user	
Parameter values:	BC = 3,1 kHz audio		
Comments:			

6.2.1.8 Unsuccessful - UDI-TA

120401	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120401	
Selection criteria:		
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	
Comments:		

120402	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120402	
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 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	
Comments:		

120403	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120403	
Selection criteria:		
Test purpose:		s not responding, the network initiate call clearing to NECT message containing a PI#8 and cause value
Parameter values:	BC = UDI/TA	
Comments:		

1	T	·
120404	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120404	
Selection criteria:		
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	
Comments:		

120405	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120405	
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 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	
Comments:		

120406	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120406	
Selection criteria:		
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	
Comments:		

120407	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120407	
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 = UDI/TA	
Comments:		

120408	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1, 5.2 and 5.3 Recommendation ITU-T Q.931 [38], clauses 5.1, 5.2 and 5.3	Other relevant references:
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/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 reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clauses 5.1, 5.2 and 5.3	
	Recommendation ITU-T	
	Q.931 [38],	
	clauses 5.1, 5.2 and 5.3	
TSS reference:	ISDN-ISDN/Basic_call/Unsuccessful/UDI-TA/120409	
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 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 reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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). See note.	
Comments:		

NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.

210102	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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 = international (or N = unknown). See note.	
Comments:		
NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.		

210103	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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/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). See note.	
Comments:		
NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.		

210104	ISDN reference to: ETSI EN 300 092-1 [3],	Other relevant references: ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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). See note.	
Comments:		
NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.		

210105	ISDN reference to: ETSI EN 300 092-1 [3], clause 9.3	Other relevant references: ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11 Recommedation ITU-T Q.931 [38] clauses 4.5.10	
		and 4.5.11 ETSI TS 183 036 [42], clause 5.2.3 Recommendation 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 w	The called user is provided with CLIP.	
Test purpose:	user, (and no Calling party su	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 reference to: ETSI EN 300 092-1 [3], clause 9.3	Other relevant references: ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11 Recommendation ITU-T Q.931 [38] clauses 4.5.10 and 4.5.11 ETSI TS 183 036 [42], clause 5.2.3 Recommendation 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/210106	
Selection criteria:	The called user is provided with CLIP. Special arrangement applies.	
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. See note.	
Comments:		
NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.		

210107	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation 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:		- The called user is provided with CLIP.	
	 Special arrangement 	- Special arrangement applies.	
Test purpose:	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, with the Calling party subaddress information element are	
	delivered to the called (served) user.		
Parameter values:	BC = PIXIT. See note.		
Comments:			
NOTE: In the case	In the case of a SIP-I interworking, the called user will receive the SI = NP.		

210108	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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 special arrangement applies 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. See note.	
Comments:		
NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.		

210109	ISDN reference to:	Other relevant references:	
	ETSI EN 300 092-1 [3],	ETSI EN 300 403-1 [1] clauses 4.5.10 and 4.5.11	
	clause 9.3	Recommendation ITU-T Q.931 [38] clauses 4.5.10	
		and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation 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/210109		
Selection criteria:	- The called user is provided with CLIP and the two delivery option does not apply;		
	- Special arrangement applies.		
Test purpose:	Ensure that when a special arrangement applies and a Calling party number		
	information element and a valid cal	lling number is provided by the calling user, the Calling	
		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. See note.		
Comments:			
NOTE: In the case of	NOTE: In the case of a SIP-I interworking, the called user will receive the SI = NP.		

6.2.2.2 CLIR

210201	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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 reference to:	Other relevant references:	
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation 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 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 Callin	party subaddress), the Calling party number information element is network provided and	
	delivered to the called user without any digit information.		
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown		
Comments:			

210203	ISDN reference to:	Other relevant references:
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10
		and 4.5.11
		ETSI TS 183 036 [42], clause 5.2.3
		Recommendation 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/210203	
Selection criteria:	The calling user is provided with ClCLIP.	LIR temporary mode subscription, the called user with
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:		

210204	ISDN reference to:	Other relevant references:	
	ETSI EN 300 093-1 [4],	ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11	
	clause 9.4.1	Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11	
		ETSI TS 183 036 [42], clause 5.2.3	
		Recommendation 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/210204	
Selection criteria:	The calling user is provided CLIP.	The calling user is provided with CLIR temporary 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 without any digit information.	
Parameter values:	BC = PIXIT, PI = PR, SI = NI	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:			

210205	ISDN reference to: ETSI EN 300 093-1 [4], clause 9.4.1	Other relevant references: ETSI EN 300 403-1 [1], clauses 4.5.10 and 4.5.11 Recommendation ITU-T Q.931 [38], clauses 4.5.10 and 4.5.11 ETSI TS 183 036 [42], clause 5.2.3 Recommendation 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 convic	ETSI EN 300 092-1 [3], clause A.2 figure 2
	ISDN-ISDN/Supplementary_services/CLIR/210205	
Selection criteria:	 The calling user is provided with CLIR temporary mode subscription. The called user is provided with CLIP. Special arrangement applies. 	
Test purpose:	Ensure that when a special arrangement applies 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 reference to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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/210301	
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 "subscriber 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:		

210302	ISDN reference to: ETSI EN 300 097-1 [5],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation 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:			

210303	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation 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/210303	
Selection criteria:	The calling user is provided w	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 =	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:			

210304	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation 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/COLP/210304	
Selection criteria:	The calling user is provided v	The calling user is provided with COLP.	
Test purpose:	"unknown", with Connected s the with the Screening indica	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 =	BC = PIXIT, SI = UPVP, N = international (or N = unknown)	
Comments:			

210305	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation 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 reference to: ETSI EN 300 097-1 [5], clause 9.5.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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/210306		
Selection criteria:	Calling user is provided with COLF	Calling user is provided with COLP.	
Test purpose:	Ensure that when an incorrect 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:			

210307	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation 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		
Selection criteria:	 Calling user is provided with 	th COLP.	
	 Special arrangement appli 	es.	
Test purpose:	on receipt of a CONNECT messa with the Type of number coded ot discards the Connected number in CONNECT message containing a default number associated with the	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing a Connected number information element with the Type of number coded other than "national number" or "international number": discards the Connected number information element (resulting in the sending of a CONNECT message containing a Connected number information element with the default number associated with the called access to the calling user) and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:			
Comments:			

210308	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation 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_servic	es/COLP/210308
Selection criteria:	 Calling user is provided with 	n COLP;
	 Special arrangement applie 	S.
Test purpose:	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing a Connected number information element with the Numbering plan identifier field coded other than "ISDN/telephony numbering plan" or "unknown": discards the Connected number information element (resulting in the sending of a CONNECT message containing a Connected number information element with the default number associated with the called access to the calling user) and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:		
Comments:		

210309	ISDN reference to:	Other relevant references:	
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2	
	clause 9.5.1	Recommendation 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.	
	 Special arrangement applies 	S.	
Test purpose:	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies,		
	on receipt of a CONNECT message containing a Connected number information element		
	with a Screening indicator value:		
	discards the Screening indicator value (resulting in the sending of a CONNECT message		
	containing a Connected number information element with the Screening indicator value		
	"user-provided, not screened" to the calling user) and sends a CONNECT		
	ACKNOWLEDGE message and enters the Active call state N10.		
Parameter values:	BC = PIXIT, SI = NP		
Comments:			

210310	ISDN reference to: ETSI EN 300 097-1 [5],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation 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	
Selection criteria:	 Calling user is provided with 	COLP.
	 Special arrangement applies 	S.
Test purpose:	Ensure that the IUT in the Call Present call state N06 and a special arrangement applies, on receipt of a CONNECT message containing no Connected number information element: accepts the message (resulting in the sending of a CONNECT message containing a Connected number information element with the Screening indicator value "network-	
	provided" and the default number associated with the called access to the calling user) and sends a CONNECT ACKNOWLEDGE message and enters the Active call state N10.	
Parameter values:	BC = PIXIT	
Comments:		

210311	ISDN reference to:	Other relevant references:
	ETSI EN 300 097-1 [5],	ETSI TS 183 036 [42], clause 5.2.2
	clause 9.5.1	Recommendation 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/210310
Selection criteria:	 Calling user is provided with 	n COLP.
	 Special arrangement applie 	S.
Test purpose:	on receipt of a CONNECT messag and a Connected subaddress infor accepts the message (resulting in Connected number and a Connected	sent call state N06 and a special arrangement applies, the containing a Connected number information element remation element: the sending of a CONNECT message containing a stated subaddress information element to the calling user //LEDGE message and enters the Active call state N10.
Parameter values:	BC = PIXIT	
Comments:		

6.2.2.4 COLR

210401	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI ETS 300 097-1/A1 [22], clause 1, figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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 = NF	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:			

210402	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI ETS 300 097-1/A1 [22], figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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/210402	
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 (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 = NP	, N = unknown, NPI = unknown
Comments:		

210403	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI ETS 300 097-1/A1 [22], figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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/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 subaddress shall not be present to the calling user	
Parameter values:	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:		

210404	ISDN reference to: ETSI EN 300 098-1 [6],	Other relevant references: 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 Recommendation 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/210404	
Selection criteria:	The called (served) user is p user with COLP.	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.	
Test purpose:	provided by the called user in information element with Pre	Ensure that when a special arrangement applies and when no Connected number 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:			

210405	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.11	Other relevant references: ETSI ETS 300 097-1/A1 [22], clause 1, figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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_se	ISDN-ISDN/Supplementary_services/COLR/210405	
Selection criteria:	The called (served) user is provided with COLR permanent mode subscription, the calling user with COLP.		
Test purpose:	Ensure that when a special arrangement applies 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:			

210406	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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/210406	
Selection criteria:	The called (served) user is purely user with COLP.	The called (served) user is provided with COLR temporary mode subscription, the calling user with COLP.	
Test purpose:	Presentation indicator set to Connected number information	Ensure that when the Connected number is provided by the called user with the Presentation indicator set to "presentation restricted", 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 = NF	BC = PIXIT, PI = PR, SI = NP, N = unknown, NPI = unknown	
Comments:			

210407	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.1	Other relevant references: ETSI ETS 300 097-1/A1 [22], figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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	
Selection criteria:	The called (served) user is provided with COLR temporary 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), default value is presentation not restricted, 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 = NP	, N = unknown, NPI = unknown
Comments:		

210408	ISDN reference to: ETSI EN 300 098-1 [6], clauses 9.3.1 and 9.4.11	Other relevant references: ETSI ETS 300 097-1/A1 [22], clause 1, figure 4 ETSI TS 183 036 [42], clause 5.2.2 Recommendation 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	
Selection criteria:	The called (served) user is provide user with COLP.	d with COLR temporary mode subscription, the calling
Test purpose:	Ensure that when a special arrangement applies 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

	I	Tall I
210501	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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:	Originating user has subscribed to	
	Options for registered CUG i	ndex:
	Intra CUG restrictions: None de	esignated (-OCB)
	Options for public identity in	use:
	Preferential CUG: None design	
	Outgoing access: not allowed	
Test purpose:	CUG without preference: SETUP	with CUG index. successful.
		an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	
	registered CUGIndex,	one containing
		ning an CLIC element with
	Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)	
	or Non CUG cal (VGW)	
Demonstration	Non Cog car (vgvv)	
Parameter values:	-	
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

	1	1	
210502	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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_se	rvices/CUG/210502	
Selection criteria:	Originating user has subscribed		
	Options for registered CU		
	Intra CUG restrictions: None		
	Options for public identity	in use:	
	Preferential CUG: None des	signated	
	Outgoing access: not allowe	ed	
Test purpose:	CUG without preference: SETU	IP with CUG index and outgoingAccessRequest = true,	
	successful.		
	Ensure that the SUT on receipt	of an SETUP request containing an CUG element with	
	Facility CUGCall Operation	invoke containing	
	outgoingAccessRequest	= true and	
	registered CUGIndex,		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG cal (VGW)		
Parameter values:	-		
Comments:	SETUP 1:		
	Facility CUGCall Operation invo	oke	
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
		,	
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
L	<u> </u>		

210503	ISDN reference to:	Other relevant references:
210000		
	ETSI EN 300 138-1 [7],	ETSLTS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation ITU-T Q.1912.5 [35], annex B.16
T00 (LODAL IODALIO	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
TSS reference:	ISDN-ISDN/Supplementary_services/CUG/210503	
Selection criteria:	Originating user has subscribed to CUG Options for registered CUG index: Intra CUG restrictions: None designated (-OCB)	
	Options for public identity i	
	Preferential CUG: None design	
	Outgoing access: allowed per communication	
Test purpose:		SETUP with CUG index, successful.
	Ensure that the SUT on receipt of	f an SETUP request containing an CUG element with
	Facility CUGCall Operation in	voke containing
	registered CUGIndex,	
	Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:	-	
Comments:	SETUP 1:	
	Facility CUGCall Operation invok	е
	<oarequested>FALSE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	or a finite industrial of the first of the f	
	Non CUG call	
	or	
	Facility CUGCall Operation invok	е
	<cugindex></cugindex>	-
	100011100/0	

210504	ISDN reference to:	Other relevant references:
210007	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	Clauses 5.2.2 and 5.2.4	Recommendation 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:	Originating user has subscribed to CUG	
	Options for registered CUG index: Intra CUG restrictions: None designated (-OCB)	
	Options for public identity in	
	Preferential CUG: None design	
	Outgoing access: allowed per of	
Test purpose:		ETUP with CUG index and outgoingAccessRequest =
	true, successful non CUG commur	nication.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	oke containing
	outgoingAccessRequest = 1	true and
	registered CUGIndex,	
	Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW).	
Parameter values:		
Comments:	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
SETUP 2: (implementation option)		
	Non CUG call	
	Or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

210505	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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:	Originating user has subscribed to CUG		
	Options for registered CUG index:		
	Intra CUG restrictions: OCB within CUG		
	Options for public identity in	use:	
	Preferential CUG: None designated		
	Outgoing access: allowed per communication		
Test purpose:	CUG without preference + OAE + OCB within CUG: SETUP with CUG index and		
	outgoingAccessRequest = true, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with		
	Facility CUGCall Operation invoke containing		
	outgoingAccessRequest = true and		
	registered CUGIndex,		
forwards the SETUP request containing no CUG element .		aining no CUG element .	
Parameter values:	-		
Comments:	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2:		
	No CUG Facility		

210506	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44]; clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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:	Originating user has subscribed to CUG Options for registered CUG index:		
	Intra CUG restrictions: None designated (-OCB)		
	Options for public identity in use:		
	Preferential CUG: None designated Outgoing access: allowed per communication		
Test purpose:	outgoingAccessRequest = true, successful outgoing access allowed. Ensure that the SUT on receipt of an SETUP request containing an CUG element with		
	Facility CUGCall Operation invoke containing outgoingAccessRequest = true,		
		nining no CUG element due to outgoing access	
	allowed.		
Parameter values:			
Comments:			

210507	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	oladoos olele and olel	Recommendation 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:	Originating user has subscribed to CUG	
	Options for registered CUG index:	
	Intra CUG restrictions: None designated (-OCB)	
	Options for public identity in use:	
	Preferential CUG: None design	ated
	Outgoing access: allowed perm	nanent
Test purpose:	CUG without preference + OAI: SETUP with CUG index, successful.	
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	oke containing
	registered CUGIndex,	-
	Forwards a SETUP request contai	ning an CUG element with
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:	-	
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

0.1.0.5.0.0	lional (
210508	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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_se	ervices/CUG/210508	
Selection criteria:	Originating user has subscribed to CUG		
	Options for registered CU	Options for registered CUG index:	
	Intra CUG restrictions: OCE	3 within CUG	
	Options for public identity	y in use:	
	Preferential CUG: None designated		
	Outgoing access: allowed permanent		
Test purpose:			
Parameter values:			
Comments:			
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	ISDN header values:	ISDN header values:	
	SETUP 2:	SETUP 2:	
	Non CUG call		

0.10=00	lionu (
210509	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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/210509	
Selection criteria:	Originating user has subscribed to CUG Options for registered CUG index: Intra CUG restrictions: None designated (-OCB)	
	Options for public identity in	
	Preferential CUG: None design	
	Outgoing access: allowed per	
Test purpose:	CUG without preference + OAI: S	ETUP with CUG index and outgoingAccessRequest =
	true, successful.	
	Ensure that the SUT on receipt of	f an SETUP request containing an CUG element with
	Facility CUGCall Operation in	voke containing
	outgoingAccessRequest =	true and
	registered CUGIndex,	
	forwards the SETUP request con-	taining an CUG element with
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invok	e
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option	1)
	Non CUG call	
	or	
	Facility CUGCall Operation invok	e
	<cugindex></cugindex>	

IODN f t	04		
	Other relevant references:		
	ETSI TS 124 654 [44]; clause 4.5.2.4		
clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9		
	Recommendation ITU-T Q.1912.5 [35], annex B.16		
	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10		
ISDN-ISDN/Supplementary_serv			
Originating user has subscribed to CUG Options for registered CUG index:			
CUG without preference + OAI and OCB within CUG: SETUP with CUG index and			
Ensure that the SUT on receipt of an SETUP request containing an CUG element with			
outgoingAccessRequest = true and registered CUGIndex,			
		Forwards a SETUP request conta	aining no COG element
SETUP 1:			
	re e		
<oarequested>TRUE</oarequested>			
<cugindex></cugindex>			
ISDN header values: SETUP 2:			
		No CUG Facility	
	Originating user has subscribed to Options for registered CUG Intra CUG restrictions: OCB woptions for public identity in Preferential CUG: None design Outgoing access: allowed perform outgoing Access Request = true, so Ensure that the SUT on receipt of Facility CUGCall Operation in outgoing Access Request = registered CUGIndex, Forwards a SETUP request contains SETUP 1: Facility CUGCall Operation invokes COARequested>TRUE CUGIndex> ISDN header values: SETUP 2:		

	1	T- :	
2105011	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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/2105011	
Selection criteria:	Originating user has subscribed to CUG Options for registered CUG index:		
	Intra CUG restrictions: No		
	Options for public ident		
	Preferential CUG: None of	lesignated	
Outgoing access: allowed perm		l perm	
Test purpose: CUG without preference + OAI: SETUP without CUG index, successful		AI: SETUP without CUG index, successful outgoing access	
	allowed.		
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with		
	Facility CUGCall Operation invoke containing		
	outgoingAccessRequest = false,		
	Forwards a SETUP request containing no CUG element		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation in	nvoke	
	<oarequested>FALSE</oarequested>		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2:	SETUP 2:	
	No CUG Facility		

2105012	ISDN reference to:	Other relevant references:
2100012	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	0.2.2 414 0.2.1	Recommendation 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_servi	
Selection criteria:	Originating user has subscribed to CUG	
	Options for registered CUG	
	Intra CUG restrictions: None of	
	Options for public identity in	
	Preferential CUG: None desig	
	Outgoing access: allowed per	
Test purpose:	CUG without preference + OAI: SETUP without CUG index and with	
	outgoingAccessRequest = true, successful outgoing access allowed.	
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with	
	Facility CUGCall Operation invoke containing	
	outgoingAccessRequest = true,	
	Forwards a SETUP request containing no CUG element .	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	e
	<oarequested>TRUE</oarequested>	
	ISDN header values:	
	SETUP 2:	
	No CUG Facility	

2105013	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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/210513		
Selection criteria:	Originating user has subscribed to	o CUG	
	Options for registered CUG	index:	
	Intra CUG restrictions: None of	lesignated (-OCB)	
	Options for public identity in use:		
	Preferential CUG: None designated		
	Outgoing access: allowed per	manent	
Test purpose:	CUG without preference + OAI: S	ETUP for non-CUG communication, successful.	
	Ensure that the SUT on receipt of an SETUP request containing no CUG element,		
	Forwards a SETUP request conta		
Parameter values:		•	
Comments:	ISDN header values:		
	SETUP 1:		
	No CUG Facility		
	•		
	ISDN header values:		
	SETUP 2:		
	No CUG Facility		

2105014	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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	ISDN-ISDN/Supplementary_services/CUG/2105014	
Selection criteria:	Originating user has subscribe	ed to CUG	
	Options for registered ar	nd preferred CUG index:	
	Intra CUG restrictions: No	ne designated (-OCB)	
	Options for public identi	ty in use:	
	Preferential CUG: register	ed CUG	
	Outgoing access: not allow		
Test purpose:	CUG with preference: SETUP		
' '	Ensure that the SUT on receip	ot of an SETUP request containing an CUG element with	
	Facility CUGCall Operation invoke containing		
	registered CUGIndex,		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF) or		
Non CUG cal (VGW)			
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation in	voke	
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation op	tion)	
	Non CUG call		
	or		
	Facility CUGCall Operation in	voke	
	CUGIndex>	VOICO	
1	NOO O III III OO		

2105015	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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_servi	
Selection criteria:	Originating user has subscribed to	
	Options for registered and p	referred CUG index:
	Intra CUG restrictions: None d	esignated (-OCB)
	Options for public identity in	n use:
	Preferential CUG: registered C	CUG
	Outgoing access: not allowed	
Test purpose:	CUG with preference: SETUP with successful.	h CUG index and outgoingAccessRequest = true,
		an SETUP request containing an CUG element with
	Facility CUGCall Operation in	
	outgoingAccessRequest = true and registered CUGIndex.	
	Forwards a SETUP request containing an CUG element with	
	Forwards a SETOF request containing an COO element with	
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:		
Comments:	ISDN header values: SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	<cogiiidex></cogiiidex>	
	ISDN header values:	
	SETUP 2: (implementation option)
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

2105016	ISDN reference to:	Other relevant references:
2100010	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	01dd303 3.2.2 d11d 3.2.4	Recommendation 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.: The calling user belongs to	
Coloure in children	supplementary options: OA; ocb; Preference CUG	
	Term.: calling user and called user	
	CUG supplementary options: IA; n	
Test purpose:	CUG with preference: SETUP with	
		an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	
	outgoingAccessRequest = 1	
	Forwards a SETUP request contai	ning an CUG element with
	·	
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>FALSE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	L 0110 II	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

ISDN reference to:	Other relevant references:
ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
	Recommendation ITU-T Q.1912.5 [35], annex B.16
	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
ISDN-ISDN/Supplementary_service	
Originating user has subscribed to	CUG
Options for registered and pr	eferred CUG index:
Intra CUG restrictions: None de	
Preferential CUG: registered Cl	UG
Outgoing access: not allowed	
	non-CUG communication, successful.
	an SETUP request containing no CUG element,
Forwards a SETUP request contain	ning an CUG element with
CLIC index (ACCE)	
, ,	
ISDN header values:	
140 COO Facility	
ISDN header values:	
(p.s	
Non CUG call	
or	
Facility CUGCall Operation invoke	
<cugindex></cugindex>	
	ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4 ISDN-ISDN/Supplementary_servic Originating user has subscribed to Options for registered and pr Intra CUG restrictions: None de Options for public identity in Preferential CUG: registered Cl Outgoing access: not allowed CUG with preference: SETUP for r Ensure that the SUT on receipt of a Forwards a SETUP request contain CUG index (AGCF) or Non CUG cal (VGW) ISDN header values: SETUP 1: No CUG Facility ISDN header values: SETUP 2: (implementation option) Non CUG call or Facility CUGCall Operation invoke

	lionii (Tour I I
210518	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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:	Originating user has subscribed to	
	Options for registered and p	
	Intra CUG restrictions: None d	
	Options for public identity in	use:
	Preferential CUG: registered C	CUG
	Outgoing access: allowed per	communication
Test purpose:	CUG with preference + OAE: SET	UP with CUG index, successful.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation inv	
	registered CUGIndex,	•
	Forwards a SETUP request contain	ining an CUG element with
		g
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<outgoingaccessrequest></outgoingaccessrequest>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	SETUP 2:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	•
	1000ilidox2	

	lionii d	Tau
2105019	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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	
Selection criteria:	Originating user has subscribed	
	Options for registered and	
	Intra CUG restrictions: None	
	Options for public identity	
	Preferential CUG: registered	CUG
	Outgoing access: allowed pe	
Test purpose:	CUG with preference + OAE: SE	TUP with CUG index and outgoingAccessRequest =
	true, successful.	
	Ensure that the SUT on receipt of	of an SETUP request containing an CUG element with
	Facility CUGCall Operation in	nvoke containing
outgoingAccessRequest = true and		= true and
	registered CUGIndex,	
	Forwards a SETUP request containing an CUG element with	
	·	ŭ
	CUG index (AGCF)	
	or `	
	Non CUG cal (VGW)	
Parameter values:	,	
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invol-	Ke .
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2: (implementation option	n)
	(, , , , , , , , , , , , , , , , , , ,	,
	Non CUG call	
	or	
	Facility CUGCall Operation invol	Ke
	<cugindex></cugindex>	
L	1000	

ISDN reference to:	Other relevant references:	
ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
	Recommendation ITU-T Q.1912.5 [35], annex B.16	
	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
ISDN-ISDN/Supplementary_se		
Originating user has subscribe	Originating user has subscribed to CUG	
	OCB within CUG: SETUP with CUG index and	
	t of an SETUP request containing an CUG element with	
	st – tide and	
	entaining no CLIC alament	
Forwards a SETOF request co	intaining no cod element	
ICDN handar values.		
	oke	
•		
<cugindex></cugindex>		
ISDN header values:		
SETUP 2:		
No CUG Facility		
	ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4 ISDN-ISDN/Supplementary_se Originating user has subscribe Options for registered an Intra CUG restrictions: OCF Options for public identity Preferential CUG: registered Outgoing access: allowed preference + OAE + outgoingAccessRequest = true Ensure that the SUT on receip Facility CUGCall Operation outgoingAccessRequest registered CUGIndex, Forwards a SETUP request compared to the	

ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4 ETSI TS 183 036 [42], clause 5.2.9 Recommendation 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/2105021 Originating user has subscribed to CUG Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: ISDN header values: SETUP 1: Facility CUGCall Operation invoke SETUP 2: (implementation option) Non CUG call	2105021	ISDN reference to:	Other relevant references:
Recommendation 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/2105021 Originating user has subscribed to CUG Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>		ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10 TSS reference: ISDN-ISDN/Supplementary_services/CUG/2105021 Selection criteria: Originating user has subscribed to CUG Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke COARequested>FALSE ISDN header values: SETUP 2: (implementation option)		clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
TSS reference: ISDN-ISDN/Supplementary_services/CUG/2105021			Recommendation ITU-T Q.1912.5 [35], annex B.16
Selection criteria: Originating user has subscribed to CUG Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10
Options for registered and preferred CUG index: Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>	TSS reference:		
Intra CUG restrictions: None designated (-OCB) Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>	Selection criteria:		
Options for public identity in use: Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke < OARequested>FALSE ISDN header values: SETUP 2: (implementation option)			
Preferential CUG: registered CUG Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
Outgoing access: allowed per communication Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke 			
Test purpose: CUG with preference + OAE: SETUP without CUG index and with outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
outgoingAccessRequest = false, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>	Test purpose:		
Facility CUGCall Operation invoke containing outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
outgoingAccessRequest = false, Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
Forwards a SETUP request containing an CUG element with CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
CUG index (AGCF) or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
or Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
Non CUG cal (VGW) Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>		` '	
Parameter values: Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>			
Comments: ISDN header values: SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>		Non CUG cal (VGW)	
SETUP 1: Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>		lonu.	
Facility CUGCall Operation invoke <oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested>	Comments:		
<pre><oarequested>FALSE ISDN header values: SETUP 2: (implementation option)</oarequested></pre>			
ISDN header values: SETUP 2: (implementation option)			
SETUP 2: (implementation option)		<oarequested>FALSE</oarequested>	
		ISDN header values:	
		SETUP 2: (implementation option)	
Non CUG call		,	
		Non CUG call	
or		or	
Facility CUGCall Operation invoke		Facility CUGCall Operation invoke	
<cugindex></cugindex>		<cugindex></cugindex>	

2105022	ISDN reference to:	Other relevant references:
2105022		
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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:	Originating user has subscribed to	
	Options for registered and pr	referred CUG index:
	Intra CUG restrictions: None de	esignated
	Options for public identity in	use:
	Preferential CUG: registered C	UG
	Outgoing access: allowed per of	
Test purpose:	CUG with preference + OAE: SET	UP without CUG index and with
	outgoingAccessRequest = true, su	ccessful.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation invo	oke containing
	outgoingAccessRequest = t	
	Forwards a SETUP request contain	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	
	Codigonig/ toocssi tequest/	INOL
	ISDN header values:	
	SETUP 2:	
	02.101.2.	
	Non CUG call	
	SETUP 2:	
	Facility CUGCall Operation invoke	
	CUGIndex>	
	COOdinaex>	

2105023	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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:	Originating user has subscribed to CUG	
	Options for registered and p	
	Intra CUG restrictions: None d	esignated (-OCB)
	Options for public identity in	use:
	Preferential CUG: registered C	
	Outgoing access: allowed per	communication
Test purpose:		UP for non-CUG communication, successful.
	Ensure that the SUT on receipt of	an SETUP request containing no CUG element,
	returns an SETUP request contain	ning an CUG element with
	·	
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	No CUG Facility	
	•	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

2105024	ISDN reference to:	Other relevant references:	
2105024			
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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:	Originating user has subscribed to		
	Options for registered and p		
	Intra CUG restrictions: None d		
	Options for public identity in		
	Preferential CUG: registered C	UG	
	Outgoing access: allowed perr	nanent	
Test purpose:	CUG with preference + OAI: SETU	JP with CUG index, successful.	
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with	
	Facility CUGCall Operation inv		
	registered CUGIndex,	ŭ	
	Forwards a SETUP request containing an CUG element with		
	g an out of an o		
	CUG index (AGCF)		
	Or		
	Non CUG cal (VGW)		
Parameter values:	(1011)		
Comments:	ISDN header values:		
Commente.	SETUP 1:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	COO GINGEA		
	ISDN header values:		
	2. (implementation option)	SETUP 2: (implementation option)	
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	CUGIndex>		
	COOGHIUEX>		

2105025	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44]; clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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/2105025
Selection criteria:	Originating user has subscribed to CUG Options for registered and preferred CUG index:	
	Intra CUG restrictions: OCB wi	use:
	Preferential CUG: registered CUG Outgoing access: allowed permanent	
Test purpose:	CUG with preference + OAI and OCB within CUG: SETUP with CUG index, successful. Ensure that the SUT on receipt of an SETUP request containing an CUG element with Facility CUGCall Operation invoke containing registered CUGIndex, Forwards a SETUP request containing no CUG element is present	
Parameter values:		·
Comments:	SETUP 1: Facility CUGCall Operation invoke <cugindex></cugindex>	
	ISDN header values: SETUP 2: Non CUG call	

2105026	ISDN reference to:	Other relevant references:	
2103020	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4		
	Clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16	
TCC reference:	ICDN ICDN/Complements as a min	ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ISDN-ISDN/Supplementary_servic		
Selection criteria:	Preconditions: Originating user		
	Options for registered and pr		
	Intra CUG restrictions: None de		
	Options for public identity in		
	Preferential CUG: registered C		
_	Outgoing access: allowed perm		
Test purpose:		IP with CUG index and outgoingAccessRequest = true,	
	successful.		
	•	an SETUP request containing an CUG element with	
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG cal (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<oarequested>TRUE</oarequested>		
	<cugindex></cugindex>		
	ISDN header values:	ISDN header values:	
	SETUP 2: (implementation option)		
	` ' '		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		

2105027	ISDN reference to:	Other relevant references:
2100021	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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_servi	
Selection criteria:	Originating user has subscribed to	
	Options for registered and p	oreferred CUG index:
	Intra CUG restrictions: OCB w	rithin CUG
	Options for public identity in	n use:
	Preferential CUG: registered (
	Outgoing access: allowed per	
Test purpose:		OCB within CUG: SETUP with CUG index and
	outgoingAccessRequest = true, successful.	
Ensure that the SUT on receipt of an SETUP request containing an C		
	Facility CUGCall Operation invoke containing	
	outgoingAccessRequest = true and	
	registered CUGIndex,	
	Forwards a SETUP request containing no CUG element is present	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	e
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	100011100/	
	ISDN header values:	
	SETUP 2:	
	No Facility CUGCall Operation in	voke

	lional d	
2105028	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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/2105028
Selection criteria:	Originating user has subscribed to	
	Options for registered and pr	referred CUG index:
	Intra CUG restrictions: None de	esignated (-OCB)
	Options for public identity in	use:
	Preferential CUG: registered C	UG
	Outgoing access: allowed pern	nanent
Test purpose:	CUG with preference + OAI: SETU	JP without CUG index and with
	outgoingAccessRequest = true, su	iccessful.
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with
	Facility CUGCall Operation invoke containing	
	outgoingAccessRequest = true,	
	Forwards a SETUP request containing an CUG element with	
	CUGInterlockBinaryCode related to preferred CUG index,	
	networkIndicator (PIXIT) and	
	CUGCommunicationIndicator set to CUG with outgoing access.	
Parameter values:		
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<oarequested>TRUE</oarequested>	
	<cugindex></cugindex>	
	ISDN header values:	
	SETUP 2:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	

0405000	IODNI f t	041	
2105029	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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:	Terminating user has subscribed to		
	Options for registered CUG i		
	Intra CUG restrictions: None de		
	Options for public identity in	use:	
	Incoming access: not allowed		
Test purpose:	CUG with IA not allowed: SETUP	with interlock code matching registered CUG index and	
	without outgoing access, successf	iul.	
	Ensure that the SUT on receipt of	an SETUP request containing an CUG element with	
	CUGInterlockBinaryCode relate	ed to registered CUG index,	
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator s	set to "11" (CUG without outgoing access),	
		(CCC minimum cancer sortion 1.1. (CCC minimum cangering accesse),	
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG cal (VGW)		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	2. (implementation option)		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	NOOGIII II		

2405020	ICDNI votovovos to:	Other relevant references
2105030	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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:	Terminating user has subscribed t	
	Options for registered CUG i	
	Intra CUG restrictions: None d	
	Options for public identity in	use:
	Incoming access: allowed	
Test purpose:	Test purpose	
	CUG with IA allowed: SETUP with	interlock code matching registered CUG index and
	without outgoing access, successi	
		an SETUP request containing an CUG element with
	CUGInterlockBinaryCode relat	
	networkIndicator (PIXIT) and	, , , , , , , , , , , , , , , , , , , ,
		set to "11" (CUG without outgoing access),
	COOCOMMunication male and set to 11 (COO without outgoing access),	
	Forwards a SETUP request containing an CUG element with	
	CUG index (AGCF)	
	or	
	Non CUG cal (VGW)	
Parameter values:	Non Cog car (vgvv)	
Comments:	ISDN header values:	
Comments.	SETUP 1:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	ISDN booder values	
	ISDN header values:	
	SETUP 2: (implementation option)	
	Non CUG call	
	or	
	Facility CUGCall Operation invoke	
	CUGIndex>	
L	COGIIIdes>	

2105031	ISDN reference to:	Other relevant references:	
2103031	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4		
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation ITU-T Q.1912.5 [35], annex B.16 ETSI TS 129 163 [40], clauses 7.4.16 and 7.5.10	
TSS reference:	ICDN ICDN/Cumplementany consis		
	ISDN-ISDN/Supplementary_service		
Selection criteria:	Terminating user has subscribed to CUG		
	Options for registered CUG i		
	Intra CUG restrictions: None de		
	Options for public identity in	use:	
	Incoming access: not allowed	:::::::::::::::::::::::::::::::::::::::	
Test purpose:		with interlock code matching registered CUG index and	
	with outgoing access, successful.	057115	
		an SETUP request containing an CUG element with	
	registered CUG index,		
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator s	set to "10" (CUG with outgoing access),	
	Forwards a SETUP request containing an CUG element with		
	CUG index (AGCF)		
	or		
	Non CUG cal (VGW)		
Parameter values:	,		
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2: (implementation option)		
	, , , , , , , , , , , , , , , , , , , ,		
	Non CUG call		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
L			

2105032	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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:	Terminating user has subscribed t		
	Options for registered CUG i		
	Intra CUG restrictions: None de		
	Options for public identity in	use:	
	Incoming access: allowed		
Test purpose:		interlock code matching registered CUG index and	
	with outgoing access, successful.		
		an SETUP request containing an CUG element with	
	CUGInterlockBinaryCode relat	ed to registered CUG index,	
	networkIndicator (PIXIT) and		
	CUGCommunicationIndicator set to "10" (CUG with outgoing access),		
	Forwards a SETUP request containing an CUG element with		
	orwards a SETOT request containing an OSS siement with		
	CUG index (AGCF)		
	Or		
	Non CUG cal (VGW)		
Parameter values:			
Comments:	Comments: ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
<cugindex></cugindex>			
	ISDN header values:		
	SETUP 2:SETUP 2: (implementati	ion option)	
	No Facility CUGCall Operation inv		
	or		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	10001110075		

2105033	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44]; clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9 Recommendation 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_servi		
Selection criteria:	Terminating user has subscribed		
	Options for registered CUG Intra CUG restrictions: ICB	index:	
	Options for public identity in	i use:	
Toot nurnoon:		Incoming access: allowed CUG with IA allowed and ICB: SETUP with interlock code matching registered CUG index	
Test purpose:	and with outgoing access, succes		
	Ensure that the SUT on receipt of an SETUP request containing an CUG element with CUGInterlockBinaryCode related to registered CUG index, networkIndicator (PIXIT) and		
	CUGCommunicationIndicator set to "10" (CUG with outgoing access),		
	Forwards a SETUP request containing no CUG element.		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invoke		
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2:	SETUP 2:	
	No Facility CUGCall Operation in	voke	

2105034	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9	
		Recommendation 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_se	rvices/CUG/2105034	
Selection criteria:	Terminating user has subscribe	ed to CUG	
	Options for public identity	in use:	
	Incoming access: allowed		
Test purpose:	CUG with IA allowed: SETUP v	vith interlock code not matching registered CUG index and	
	with outgoing access, successf		
		of an SETUP request containing a CUG element with	
	CUGInterlockBinaryCode not related to registered CUG index,		
	networkIndicator (PIXIT) and		
		CUGCommunicationIndicator set toCUG with outgoing access,	
	Forwards a SETUP request containing no CUG element.		
Parameter values:			
Comments:	ISDN header values:		
	SETUP 1:		
	Facility CUGCall Operation invo	oke	
	<cugindex></cugindex>		
	ISDN header values:		
	SETUP 2:		
	No Facility CUGCall Operation	invoke	

2105035	ISDN reference to:	Other relevant references:
2103033	ETSI EN 300 138-1 [7],	ETSI TS 124 654 [44]; clause 4.5.2.4
	clauses 9.2.2 and 9.2.4	
	clauses 9.2.2 and 9.2.4	ETSI TS 183 036 [42], clause 5.2.9
		Recommendation 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	
Selection criteria:	Terminating user has subscribed	I to CUG
	Options for public identity	in use:
	Incoming access: allowed	
Test purpose:	No CUG: SETUP with interlock of	code and with outgoing access, successful.
	Ensure that the SUT on receipt of	of an SETUP request containing an CUG element with
	CUGInterlockBinaryCode,	·
	networkIndicator (PIXIT) and	
	` '	r set to "10" (CUG with outgoing access),
	Forwards a SETUP request containing no CUG element.	
Parameter values:	·	
Comments:	ISDN header values:	
	SETUP 1:	
	Facility CUGCall Operation invoke	
	<cugindex></cugindex>	
	Coo sindo.	
	ISDN header values:	
	SETUP 2:	
	No Facility CUGCall Operation invoke	
L	1110 I domity CCOOdii Operation ii	IVOINO

2105036	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references: ETSI TS 124 654 [44]; clause 4.5.2.4 ETSI TS 183 036 [42], clause 5.2.9 Recommendation 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	h 2'
Selection criteria:		
Test purpose:	Test purpose CUG with IA allowed: SETUP without CUG element, successful. Ensure that the SUT on receipt of an SETUP request containing no CUG element, Forwards a SETUP request containing no CUG element.	
Parameter values:	•	
Comments:	ISDN header values: SETUP 1: No Facility CUGCall Operation invoke	
	ISDN header values:	
	SETUP 2:	
	No Facility CUGCall Operation	on invoke

6.2.2.6 SUB

210601	ISDN reference to:	Other relevant references:
	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
		Recommendation 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 reference to: ETSI EN 300 061-1 [8], clause 9.2	Other relevant references: ETSI EN 300 403-1 [1], clause 4.5.9 ETSI TS 183 036 [42], clause 5.2.8
		Recommendation 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 reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.1912.5 [35], annex B.13	
		ETSI TS 129 163 [40], clause 7.4.13	
TSS reference:	ISDN-ISDN/Supplementary_	ISDN-ISDN/Supplementary_services/TP/210701	
Selection criteria:	The calling user has a basic	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 reference to: ETSI EN 300 055-1 [9], clause 9.2.1	Other relevant references: ETSI EN 300 403-1 [1], clause 5.6 ETSI TS 183 036 [42], clause 5.2.12 Recommendation ITU-T Q.1912.5 [35], annex B.13 ETSI TS 129 163 [40], clause 7.4.13	
TSS reference:	ISDN-ISDN/Supplementary_	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 reference to: ETSI EN 300 055-1 [9], clause 9.2.1	Other relevant references: ETSI EN 300 403-1 [1], clause 5.6 ETSI TS 183 036 [42], clause 5.2.12 Recommendation ITU-T Q.1912.5 [35], annex B.13 ETSI TS 129 163 [40], clause 7.4.13	
TSS reference:	ISDN-ISDN/Supplementary_s	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 reestablishment, 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 reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_se	ISDN-ISDN/Supplementary_services/UUS1i/210801	
Selection criteria:	The calling (served) user is pro	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that the network can tra	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 reference to: ETSI EN 300 286-1 [10], clauses 9.1.1.1 and 9.1.2.1	Other relevant references: ETSI EN 300 403-1 [1], clause 4.5.29 ETSI TS 183 036 [42], clause 5.2.10.1.1 Recommendation 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 reference to: ETSI EN 300 286-1 [10], clause 9.1.2.1	Other relevant references: ETSI EN 300 403-1 [1], clause 4.5.29 ETSI TS 183 036 [42], clause 5.2.10.1.1	
		Recommendation ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_ser	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 reference to:	Other relevant references:
	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
		Recommendation 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/210804	
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 calling user and delivered in the DISCONNECT message sent by the network to the called user	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

040005	IODNI (
210805	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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/210805	
Selection criteria:	The calling (served) user is p	The calling (served) user is provided with UUS1 implicit request	
Test purpose:	Ensure that after implicit activ	Ensure that after implicit activation of UUS1, the network can transport a User-user	
	information element included	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 reference to:	Other relevant references:
	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
		Recommendation 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 reference to:	Other relevant references:	
	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	
		Recommendation 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/210807	
Selection criteria:	The calling (served) user is pro-	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 reference to: ETSI EN 300 286-1 [10], clause 9.1.2.2.1b	Other relevant references: ETSI EN 300 403-1 [1] ETSI TS 183 036 [42], clause 5.2.10.1.1 Recommendation 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/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 reference to:	Other relevant references:
	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
		Recommendation 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/210809	
Selection criteria:	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 reference to:	Other relevant references:	
	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	
		Recommendation 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/210810	
Selection criteria:	orig.: The calling (served) user is provided with UUS1 implicit request		
	term.: UUI1i can be implicitly of	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 reference to: ETSI EN 300 286-1 [10],	Other relevant references: ETSI EN 300 403-1 [1]
	clause 9.1.1.2.1	ETSI TS 183 036 [42], clause 5.2.10.1.1 Recommendation 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/UUS1/210831
Selection criteria:	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	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 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 reference to:	Other relevant references:	
	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	
		Recommendation 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/UUS1/210831	
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 reference to:	Other relevant references:	
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6	
	clause 9.1.1.2.2	Recommendation 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	
		Recommendation ITU-T Q.1912.5 [35], annex B.21	
		ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/UUS1/210833	
Selection criteria:	The calling (served) user is pro	ovided with UUS1 explicit request	
	The requested UUS is not sup	ported in Network B	
Test purpose:	Ensure that after explicit reque	st of UUS1 indicating "preferred", the destination network	
	rejects implicit the UUS1 reque	est without disrupting normal call handling	
	The calling network shall include	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 indication from the called network, the following procedures		
	shall apply:		
	- if the service 1 had been requ	uested as "preferred", the calling network shall include a	
	service 1 rejection with the erro	or value "rejectedByNetwork" in the CONNECT message	
	sent to the calling user		

210834	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 Recommendation ITU-T Q.737.1 [23], clause 1.1.5.2.5.2.2 Recommendation ITU-T Q.699 [24], clause 2.1.2.15.2, Table 55 ETSI TS 183 036 [42], clause 5.2.10.1.2
		Recommendation ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1/210834	
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 reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation 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 pr	ovided 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 called network in the DISCONNECT 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", the called user shall send a RELEASE COMPLETE or DISCONNECT message with cause #29 "facility rejected" to the called network. A service 1 rejection with the error value "rejectedByUser" shall also be included in the message	

210836	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_servic	
Selection criteria:	The calling (served) user is provide	ed with UUS1 explicit request
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 reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21
TSS reference:	ISDN-ISDN/Supplementary_service	ETSI TS 129 163 [40], clause 7.4.21
Selection criteria:		
Test purpose:	The calling (served) user is provided with UUS1 explicit request Ensure that after explicit request of UUS1 indicating "required", the called network receives an CONNECT 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:		

210838	ISDN reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21	
TSS reference:	ISDN-ISDN/Supplementary_s	services/UUS1/210838	
Selection criteria:	The calling (served) user is p	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	not receive an explicit service CONNECT message the calle indicating cause #69 "request the error value "rejectedByUs value and error value in the D	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	
Parameter values:	BC = PIXIT		
Comments:			

210839	ISDN reference to:	Other relevant references:
	ETSI EN 300 286-1 [10],	ETSI EN 300 403-1 [1], clause 7.1.3.6
	clause 9.1.1.2.2	Recommendation ITU-T Q.737.1 [23],
		clause 1.1.5.2.5.2.2
		Recommendation ITU-T Q.699 [24],
		clause 2.1.2.15.2, Table 54
		ETSI TS 183 036 [42], clause 5.2.10.1.2
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS1/210839	
Selection criteria:	The calling (served) user is provided with UUS1 explicit request	
Test purpose:	Ensure that after explicit request of UUS1 indicating "required", and the called network	
	already has obtained knowledge that the network itself cannot support service 1 a	
	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 reference to: ETSI EN 300 286-1 [10], clause 9.1.1.2.2	Other relevant references: ETSI EN 300 403-1 [1], clause 7.1.3.6 ETSI TS 183 036 [42], clause 5.2.10.1.2 Recommendation ITU-T Q.1912.5 [35], annex B.21 ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_servic	
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 reference to:	Other relevant references:	
210011	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	
		Recommendation 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/UUS1/210841	
Selection criteria:	The calling (served) user is pr	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	
		NECT 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:			

210842	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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/UUS2/210842	
Selection criteria:	- The calling (served) ເ	The calling (served) user is provided with UUS2	
	 Point-to-point configu 	- 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	BC = PIXIT, UI length = 32	
Comments:			

210843	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS2/210843	
Selection criteria:	- The calling (served) user is provided with UUS2	
	- Point-to-point configuration 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:		

210844	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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/UUS3/210844	
Selection criteria:	The calling (served) user is provided with UUS3		
Test purpose:	Ensure that after activation of	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:			

210845	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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/UUS3/210845	
Selection criteria:	The calling (served) user is pr	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:			

210846	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210846	
Selection criteria:	The calling (served) user is provided with UUS3	
Test purpose:	Ensure that after activation of UUS3 during call establishment indicating "required", 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:		

210847	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210847	
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 network can transport USER INFORMATION messages in both directions during the Active state of the call	
Parameter values:	BC = PIXIT, UI length = 32	
Comments:		

210848	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.21
		ETSI TS 129 163 [40], clause 7.4.21
TSS reference:	ISDN-ISDN/Supplementary_services/UUS3/210848	
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	ISDN reference to:	Other relevant references:
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
	clause 9.2.2, annex A, figure A.1	Recommendation 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:	Ensure that user A can establish o	onference call from the Null call state
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is sends a SETUP message including component to the network. The network CONNECT message which shall in Facility IE [in the (Active, Idle) state After the reception off the CONNED procedure, the call is an Active-He User A sends a SETUP message of FACILITY message to the network (CRy) including an AddCONF involved in the conformal process of the conformal proces	CT message, user A is initiating the call hold ld connection. To user C. After the call establishment, user A sends a sindicating the call reference of the call to be added oke component. NECT message (with CRy) to user A with a Facility IE imponent. The network response with RELEASE COMPLETE. It is sage with a Notification indicator IE indicating that the interest is error ("Conference established"). It is error is every a user shall clear the connection to the network by dures. The network shall make the conference established into the network by dures. The network shall make the conference established into the network by dures. The network shall make the conference established into the network by dures. The network shall make the conference established into the network by dures. The network shall make the conference established into the network of the return error component specifying "notActive" or experation requested. On sending or receiving the associated with clearing the connection, the network of with each remote user, and shall release the clearing of the connection. The Conferenceld shall be

210902	ISDN reference to:	Other relevant references:
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4
	clause 9.2.2, annex A and figure	Recommendation ITU-T Q.1912.5 [35], annex B.14
	A.2	ETSI TS 129 163 [40], clause 7.4.14
TSS reference:	ISDN-ISDN/Supplementary_service	es/CONF/210902
Selection criteria:	CONF	
Test purpose:	Ensure that user A can establish a	conference from the Active call state
Parameter values:	BC = speech	
Comments:	The user A is in network N1 and is User A calls user B (with CRx). Aft	provided with CONF. The user B is in network N2. er the call establishment
	[in the (Active, Idle) state] user A s	ends a FACILITY message including a Facility IE which 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 connection. The ConferenceId shall be available for re-use on other conferences.	

_	Trans.	Ta				
210903	ISDN reference to:	Other relevant references:				
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42] clause 5.2.4				
	clause 9.2.2, annex A, figure A.3	Recommendation 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/210903				
Selection criteria:	CONF					
Test purpose:	Ensure that user A can add an exi	sting call to the conference				
Parameter values:	BC = speech					
Comments:		s provided with CONF. User B and C are in network N2.				
	User A calls user B (with CRx). Af					
		sends a FACILITY message including a Facility IE which				
	_	e component indicating the call reference of the call to				
	be added (CRx).					
		A with a FACILITY message including a Facility IE				
		return result component in a Facility IE.				
		essage with a Notification indicator IE indicating that the				
		ference ("Conference established").				
		After initiating of call hold, the call (CRx) is in an Active-Held connection.				
		User A sends a SETUP message 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 AddCONF invoke component.				
	The network shall send a DISCON with an AddCONF return result co	The network shall send a DISCONNECT message (with CRy) to user A with a Facility IE				
		User A sends RELEASE for CRy. The network response with RELEASE COMPLETE.				
	User C shall receive a NOTIFY me	essage with a Notification indicator IE indicating that the				
		ference ("Conference established").				
		essage with a Notification indicator IE indicating that a to the conference ("Other party added").				
		served user shall clear the connection to the network by				
	using the basic call clearing proce					
		n receiving the DISCONNECT message, the network shall make the conference				
		erations invoked for this conference by the user shall				
		ate return error component specifying "notActive" or				
		e operation requested. On sending or receiving the				
		associated with clearing the connection, the network				
	shall release the Partyld associated with each remote user, and shall release the					
		clearing of the connection. The ConferenceId shall be				
	available for re-use on other confe					
	aramazio for to accom oution controlloco.					

210904	ISDN reference to:	Other relevant references:			
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	Recommendation ITU-T Q.1912.5 [35], annex B.14			
T00 (ETSI TS 129 163 [40], clause 7.4.14				
TSS reference:	ISDN-ISDN/Supplementary_service	ces/CONF/210904			
Selection criteria:	CONF				
Test purpose:	Ensure that user A can add an inc	oming call to the conference.			
Parameter values:	BC = speech				
Comments:		provided with CONF. User B and C are in network N2.			
	User A calls user B (with CRx). Aft				
		ends a FACILITY message including a Facility IE which			
	shall contain a BeginCONF invoke	e component indicating the call reference of the call to			
	be added (CRx).				
		A with a FACILITY message including a Facility IE return result component in a Facility IE.			
		essage with a Notification indicator IE indicating that the			
		ference ("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.				
	Active, Call Field 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 AddCONF 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				
		ference ("Conference established").			
		essage with a Notification indicator IE indicating that a			
		to the conference ("Other party added").			
		erved user shall clear the connection to the network by			
	using the basic call clearing proced				
		lessage, the network shall make the conference			
		erations invoked for this conference by the user shall			
		ate return error component specifying "notActive" or			
		e operation requested. On sending or receiving the			
		associated with clearing the connection, the network			
		d with each remote user, and shall release the			
	available for re-use on other confe	clearing of the connection. The ConferenceId shall be			
	available for re-use on other come	IEIIUES.			

Other relevant references: 1], figure A.7- ETSI TS 183 036 [42], clause 5.2.4 Recommendation ITU-T Q.1912.5 [35], annex B.14 ETSI TS 129 163 [40], clause 7.4.14			
figure A.7- Recommendation ITU-T Q.1912.5 [35], annex B.14			
IFTSLTS 129 163 [40] clause 7 4 14			
ISDN-ISDN/Supplementary_services/CONF/210905 CONF			
n establish a conference call with user B and user C and isolate and			
irk N1 and is provided with CONF. User B and C are in network N2. ith CRx). After the call establishment ate] user A sends a FACILITY message including a Facility IE which CONF invoke component indicating the call reference of the call to cond to user A with a FACILITY message including a Facility IE. SeginCONF return result component in a Facility IE. NOTIFY message with a Notification indicator IE indicating that the d to the conference ("Conference established"). old, the call (CRx) is in an Active-Held connection. P message to user C. After the call establishment [in the (Active, ds a FACILITY message to the network indicating the call reference (CRy) including an AddCONF invoke component. d a DISCONNECT message (with CRy) to user A with a Facility IE urn result component. SE for CRy. The network response with RELEASE COMPLETE. NOTIFY message with a Notification indicator IE indicating that the d to the conference ("Conference established"). NOTIFY message with a Facility IE including an IsolateCONF invoke the isolation of the remote user B. The network shall send a lith a Facility IE including an IsolateCONF return result component. NOTIFY message with a Notification indicator IE indicating that the ached to the conference ("other party reattached"). NOTIFY message with a Notification indicator IE indicating that the ached to the conference ("other party reattached"). NOTIFY message with a Notification indicator IE indicating that the ached to the conference ("other party reattached").			
tl itl 1			

04.0000	IODNI setemente ter	041			
210906	ISDN reference to:	Other relevant references:			
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4			
	clause 9.2.2, annex A, figure A.9	Recommendation 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:	Ensure that user A can establish a 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). Aft [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 contail hold, the call (CRx) is in an Active, Idle) state] User A sends a SETUP message (Active, Idle) state] User A sends a reference of the call to be added (The network shall send a DISCON with an AddCONF return result couser 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 User A sends a SETUP message invoke component to request the state of the containing the network shall send a CALL PECONNECT message with a Splitc User C shall receive a NOTIFY me user B has been split from the contuser B shall receive a NOTIFY means and the contuser B shall receive a NOTIFY means and the contuser B shall receive a NOTIFY means and the contuser B has been split from the contuser B shall receive a NOTIFY means and the contuser B shall recei	ends a FACILITY message including a Facility IE which a 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. essage with a Notification indicator IE indicating that the ference ("Conference established"). After initiating of tive-Held connection. (CRy) to user C. After the call establishment [in the a FACILITY message to the network indicating the call CRy) including an AddCONF invoke component. INECT message (with CRy) to user A with a Facility IE mponent. The network response with RELEASE COMPLETE. essage with a Notification indicator IE indicating that the ference ("Conference established"). Response with a Notification indicator IE indicating that a to the conference ("Other party added"). Including a Facility IE which shall contain SplitCONF explitting of the remote user B. ROCEEDING, ALERTING without Channelid IE and a ONF return component.			

210907	ISDN reference to: Other relevant references:				
210907	ISDN reference to: Other relevant references: ETSI EN 300 185-1 [11], ETSI TS 183 036 [42], clause 5.2.4				
	clause 9.2.2, annex A, figure A.10- Recommendation ITU-T Q.1912.5 [35], annex B.14				
TSS reference:	A.12 ETSI TS 129 163 [40], clause 7.4.14 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. 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.				
Comments.	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 BeginCONF 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 AddCONF 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.				

210908	ISDN reference to: Other relevant references:				
2.0000	ETSI EN 300 185-1 [11], ETSI TS 183 036 [42], clause 5.2.4				
	clause 9.2.2, annex A, figure A.11- Recommendation 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/210908				
Selection criteria:	CONF				
Test purpose:	Ensure that user A can establish a conference call with user B and user C. The remote user B can disconnect 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 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 BeginCONF 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 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 AddCONF 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 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 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.				

210909	ISDN reference to: Other relevant references:					
	ETSI EN 300 185-1 [11],	ETSI TS 183 036 [42], clause 5.2.4				
	clause 9.2.2, annex A, figure A.2	Recommendation 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.	Ensure that user A calls user B. User B can establish a conference from the Active call state to user C.				
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

6.2.2.11.0 CFU ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP

The combinations CFU ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP are described in clause 6 of ETSI TS 186 001-1 [45].

6.2.2.11.1 CFU ISDN-ISDN

211101	ISDN reference to: ETSI EN 300 207-1 [12], clauses 6.1, 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/211101		
Selection criteria:	with CFU ("calling user is notifie "diverting number is released to	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 reference to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/211102
Selection criteria:	B is in network N2 and is provided	etwork N1 and user C is provided with COLR. The user with CFU call diversion" = Yes, with diverted-to number, sed to the diverted-to user" = Yes, iffication that the call has been forwarded" = No
Test purpose:	call diversion and not informed of t	r B, the call is forwarded to user C, user A is notified of he diverted-to number (user C has presentation not informed of the forwarding number (user B has on.
Parameter values:	BC = PIXIT, CF active	
Comments:		

211103	ISDN reference to: ETSI EN 300 207-1 [12], clauses 9.2.2 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/211102		
Selection criteria:	B is in network N2 and is provided	call diversion" = Yes, with diverted-to number, sed to the diverted-to user" = No, ification that the call has been forwarded" = No		
Test purpose:	call diversion and not informed of t	r B, the call is forwarded to user C, user A is notified of he diverted-to number (user C has presentation not informed of the forwarding number. on.		
Parameter values:	BC = PIXIT, CF active			
Comments:				

211104	ISDN reference to: Other relevant references:							
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5						
	clauses 9.2.2 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6						
		ETSI TS 129 163 [40], clause 7.4.6						
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC211103							
ISDN selection criteria:								
Test purpose:	To verify that a call is released correctly if CFU was not successful if the diverted to user							
	is busy.							
ISDN parameter values:	CFU active							
Comments:								

6.2.2.11.2 CFU/Call Rerouteing

Table 7: Overview of Call Rerouteing parameters in the test cases 211105 to 2111010 for End-to End tests when the forwarding user and the forwarded-to user have a T reference point; No public network user subscription options available

Test case	211105	211106	211107	211108	211109	2111010
Diverted to user information parameters (User C)						
B User - lastRerouteingNr: "presentationAllowedNumber"	1				1	1
B User - lastRerouteingNr: "presentationRestricted"		V				
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"			1			
B User - lastRerouteingNr: "presentationRestrictedNumber				V		
CLIR User B					V	
Calling user information parameters (User A)						
B User - subscriptionOption parameter:	V	√	V			
"calling user is notified of diversion" notificationWithDivertedToNr						
B User - subscriptionOption parameter:				√	V	√
"calling user is notified of diversion" notificationWithoutDivertedToNr						
	,			,		
C User presentationAllowedIndicator: TRUE (Boolean)	√			√		
C User presentationAllowedIndicator: FALSE (Boolean)						
C User presentationAllowedIndicator:						
not available, has not received a DivertingLegInformation3 invoke component						
COLR user C						

Table 8: Overview of Call Rerouteing parameters in the test cases 2111011 to 2111019 for End-to End tests when the fortwarding user and the forwarded to user have a T reference point; Public network subscription user options available (network option)

Test case	2111011	2111012	2111013	2111014	2111015	2111016	2111017	2111018	2111019
Diverted-to user information parameters (User C)									
Subscription option: Diverting number is released to the diverted-to user: Yes	√	1	√	1	V				
Subscription option:Diverting number is released to the diverted-to user: No						1	V	1	1
B User - lastRerouteingNr: "presentationAllowedNumber"	√				V	1			
B User - lastRerouteingNr: "presentationRestricted"		1					V		
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"			1					1	
B User - lastRerouteingNr: "presentationRestrictedNumber"				1					$\sqrt{}$
CLIR User B					$\sqrt{}$				
Calling user information parameters (User A)									
Subscription option: Calling user is notified of diversion: Yes, with diverted-to	√	√		√		√			
number									
Subscription option: Calling user is notified of diversion: Yes, without diverted-to							√		
number								,	,
Subscription option:Calling user is notified of diversion: No			,					√.	√,
B User - subscriptionOption parameter:	√	√					V	√	√
"calling user is notified of diversion" notificationWithDivertedToNr									
B User - subscriptionOption parameter:				√	√	√			
"calling user is notified of diversion" notificationWithoutDivertedToNr									
C User presentationAllowedIndicator: TRUE (Boolean)	√	,		V	,		V	√	,
C User presentationAllowedIndicator: FALSE (Boolean)		√	,		V	,			√
C User presentationAllowedIndicator:						√			
not available, has not received a DivertingLegInformation3 invoke component									
COLR user C		√							√

211105	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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:		d-to user have a T reference point.
	N2 and is provided with CFU.	he user C are in network N1. The user B is in network
	Private network settings	
	B User - lastRerouteingN	Nr: "presentationAllowedNumber"
	 B User - subscriptionOpt notificationWithDive 	tion parameter: "calling user is notified of diversion" rtedToNr
	C User - presentationAllo	owedIndicator: TRUE (Boolean)
Test purpose:	from the private network (NT2) an (user C).	etwork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address
	are defined in Table 9.	eter values for the calledAddress and lastRerouteingNr
	Possible rerouteing reasons for st	ate N9:
	• unknown	
	cdlmmediate	
	• CFU	
	User A is notified of call diversion forwarding number (user B has pro	with diverted-to number and user C is informed of the esentation allowed).
	UUS 1) and calling party subaddre case when the contents of q931In not compatible with the SETUP m	the q931InfoElement parameter (BC, LLC, HLC; ess are correctly delivered to the forwarded user. In the foElement parameter and calling party subaddress are essage that established the call reference, the network lement, with a CallRerouteing return error component in se the invoke identifier.
		mation3 invoke component from the private network of nitted in the FACILITY, ALERTING or CONNECT

Table 9: Type of number PIXIT Values: calledAddress and lastRerouteingNr

PIXIT VALUE	calledAddress publicPartyNumber [1] IMPLICIT - PublicPartyNumber	lastRerouteingNr publicPartyNumber [1] IMPLICIT - PublicPartyNumber
1	unknown (0)	unknown (0),
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE:	All combinations implied.	

211106	ISDN reference to:	Other relevant references:
211100		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
	10001110001110	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_s	
Selection criteria:		rarded-to user have a T reference point. and the user C are in network N1. The user B is in network N2
	 B User - subscriptio notificationWith 	eingNr: "presentationRestricted" nOption parameter: "calling user is notified of diversion" DivertedToNr nAllowedIndicator: FALSE boolean)
T		:
Test purpose:	the private network (NT2) and Possible rerouteing reasons f	er value for the calledAddress is unknown (0). sion without diverted-to number and user C is not informed of
	and calling party subaddress when the contents of q931Inf compatible with the SETUP n send a Facility information ele FACILITY message and release.	the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) are correctly delivered to the forwarded user. In the case oElement parameter and calling party subaddress are not nessage that established the call reference, the network shall ement, with a CallRerouteing return error component in the ase the invoke identifier. Information invoke component from the private network of ansmitted in the FACILITY, ALERTING or CONNECT

044407	IODNI (t	Other melasses trackers are
211107	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_ser	
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	1	gNr: "numberNotAvailableDueToInterworking" ption parameter: notificationWithDivertedToNr
	C User - presentationA available, has not rece	illowedIndicator: presentationAllowedIndicator: not ived a DivertingLegInformation3 invoke component
Test purpose:		network acts on the call rerouteing invocation request and performs rerouteing towards the indicated address
	Possible rerouteing reasons for unknown cdlmmediate CFU	state N9:
		ed-to number of cal diversion and user C is not informed of e of number parameter value for the calledAddress is
	UUS 1) and calling party subado case when the contents of q931 not compatible with the SETUP	n the q931InfoElement parameter (BC, LLC, HLC; dress are correctly delivered to the forwarded user. In the InfoElement parameter and calling party subaddress are message that established the call reference, the network element, with a CallRerouteing return error component in ease the invoke identifier.
		ormation3 invoke component from the private network of smitted in the FACILITY, ALERTING or CONNECT

211108	ISDN reference to:	Other relevant references:
211106		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
T00 (IODAL IODALIO	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	
ISDN selection criteria:	Forwarding user and the forwarded	
		e user C are in network N1. The user B is in network
	N2 and is provided with CFU.	
	Private network settings	
	 B User - lastRerouteingN 	r: "presentationRestrictedNumber"
	 B User - subscriptionOpti 	on parameter: notificationWith DivertedToNr
	 C User - presentationAllo 	wedIndicator: TRUE (Boolean)
Test purpose:	User A calls user B. The public net from the private network (NT2) and (user C).	work acts on the call rerouteing invocation request d performs rerouteing towards the indicated address
	Possible rerouteing reasons for sta	ate NO.
	unknown	de No.
	cdlmmediate	
	• CFU	
	The type of number parameter valualities for the lastRerouteingNr is under the control of the co	ue for the called address is unknown (0), parameter unknown (0).
	User A is notified of call diversion vof the forwarding number.	without diverted-to number and user C is not informed
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
		nation3 invoke component from the private network of itted in the FACILITY, ALERTING or CONNECT

211109	ISDN reference to:	Other relevant references:
211109		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
T00 (IODALIODALIO I	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servi	
Selection criteria:		d-to user have a T reference point.
	Call Rerouteing.The user A and the N2 and is provided with CFU.	ne user C are in network N1. The user B is in network
	Private network settings	
		Ir: "presentationAllowedNumber"
	B User - CLIR	ii. procontation/iiiowodi tamboi
		tion parameter: notificationWithDivertedToNr
		owedIndicator: FALSE (Boolean)
T4		
Test purpose:		etwork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address
	Possible rerouteing reasons for st	ate N9:
	 unknown 	
	 cdlmmediate 	
	• CFU	
	The type of number parameter value for the called address is unknown (0), parame values for the lastRerouteingNr is unknown (0).	
	Ensure that when user A calls user B, the call is forwarded to 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 (user B has presentation not allowed).	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress	
are correctly delivered to the forwarded user. In the case will q931InfoElement parameter and calling party subaddress a SETUP message that established the call reference, the ne information element, with a CallRerouteing return error commessage and release the invoke identifier.		arded user. In the case when the contents of calling party subaddress are not compatible with the the call reference, the network shall send a Facility erouteing return error component in the FACILITY
		mation3 invoke component from the private network of nitted in the FACILITY, ALERTING or CONNECT

	Leave 4	
2111010	ISDN reference to: Other relevant references:	
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111010	
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.	
	Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	Private network settings	
	B User - lastRerouteingNr: "presentationAllowedNumber",	
	B User - subscriptionOption parameter: notificationWithoutDivertedToNr	
	C User - presentationAllowedIndicator: presentationAllowedIndicator: not	
	available, has not received a DivertingLegInformation3 invoke component	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request	
Tool purpose.	from the private network (NT2) and performs rerouteing towards the indicated address	
	(user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9:	
	• unknown	
	cdlmmediate	
	• CFU	
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and not informed of the diverted-to number and user C is informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the	
	case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network	
	shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111011	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_serv	
Selection criteria:	Forwarding user and the forward	led-to user have a T reference point. the user C are in network N1. The user B is in network
	Calling user is notified of	eased to the diverted-to user: Yes of diversion: Yes, with diverted-to number
	Private network settings	
	B User - subscriptionOnotificationWithDiv	gNr: "presentationAllowedNumber" ption parameter: "calling user is notified of diversion" ertedToNr llowedIndicator: TRUE (Boolean)
Test purpose:	User A calls user B. The public r from the private network (NT2) a (user C).	network acts on the call rerouteing invocation request and performs rerouteing towards the indicated address alue for the called address is unknown (0), parameter
	Possible rerouteing reasons for s	state N9:
	User A is notified of call diversion forwarding number (user B has p	n with diverted-to number and user C is informed of the presentation allowed).
	UUS 1) and calling party subadd case when the contents of q9311 not compatible with the SETUP r	n the q931InfoElement parameter (BC, LLC, HLC; ress are correctly delivered to the forwarded user. In the nfoElement parameter and calling party subaddress are message that established the call reference, the network element, with a CallRerouteing return error component in ase the invoke identifier.
		rmation3 invoke component from the private network of mitted in the FACILITY, ALERTING or CONNECT

21110112	ISDN reference to: Other relevant references:	
21110112		
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111012	
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.	
delection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	Public network settings	
	Diverting number is released to the diverted-to user: Yes	
	Calling user is notified of diversion: Yes, with diverted-to number	
	Private network settings	
	 B User - lastRerouteingNr: "presentationRestricted" B User - subscriptionOption parameter: "calling user is notified of diversion" 	
	B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	
	 C User - presentationAllowedIndicator: FALSE (Boolean) C User - COLR 	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0).	
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number (user B has presentation allowed).	
	Possible rerouteing reasons for state N9:	
	• unknown	
	cdlmmediateCFU	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111013	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111013	
ISDN selection criteria:		
	B User - subscriptionOptiC User - presentationAllo	r: eDueToInterworking" on parameter: notificationWithDivertedToNr wedIndicator: presentationAllowedIndicator: not d a DivertingLegInformation3 invoke component.
Test purpose:	from the private network (NT2) and (user C). The type of number parameter value Possible rerouteing reasons for state unknown collimediate CFU User A is notified without diverted of the forwarding number. The parameter that the contents of the in the UUS 1) and calling party subaddre	to number of call diversion and user C is not informed ameter value for the called address is unknown (0). the q931InfoElement parameter (BC, LLC, HLC; ss
	q931InfoElement parameter and consETUP message that established information element, with a CallRe message and release the invoke in Ensure that the DivertingLegInform	rded user. In the case when the contents of alling party subaddress are not compatible with the the call reference, the network shall send a Facility routeing return error component in the FACILITY lentifier. nation3 invoke component from the private network of litted in the FACILITY, ALERTING or CONNECT

2444044	ICDN reference to	
2111014	ISDN reference to: Other relevant references:	
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111014	
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point.	
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	Public network settings	
	Diverting number is released to the diverted-to user: Yes	
	<u> </u>	
	Calling user is notified of diversion: Yes, with diverted-to number	
	Private network settings	
	 B User - lastRerouteingNr: "presentationRestrictedNumber", 	
	 B User - subscriptionOption parameter: notificationWithout DivertedToNr C User - presentationAllowedIndicator: TRUE (Boolean) 	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request	
Tool pulpose.	from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9:	
	• unknown	
	cdlmmediate	
	• CFU	
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	
	jg-	

2111015	ISDN reference to: Other relevant references:	
2111013	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5	
	Clause 10.5 Recommendation TU-T Q.1912.5 [35], annex B.6	
	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111015	
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.	
Selection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	Public network settings • Diverting number is released to the diverted-to user: Yes	
	Calling user is notified of diversion: Yes, with diverted-to number	
	Private network settings • B User - lastRerouteingNr: "presentationAllowedNumber"	
	B User - CLIR	
	 B User - subscriptionOption parameter: notificationWithDivertedToNr C User - presentationAllowedIndicator: FALSE (Boolean) 	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9: • unknown	
	cdImmediateCFU	
	Ensure that when user A calls user B, the call is forwarded to 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 (user B has presentation not allowed).	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111016	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
	014400 10.0	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi		
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.		
	•	ased to the diverted-to user: No diversion: Yes, with diverted-to number	
	B User - subscriptionOpC User - presentationAll	Nr: "presentationAllowedNumber" tion parameter: notificationWithoutDivertedToNr owedIndicator: presentationAllowedIndicator: not ed a DivertingLegInformation3 invoke component	
Test purpose:	User A calls user B. The public ne from the private network (NT2) an (user C).	etwork acts on the call rerouteing invocation request ad performs rerouteing towards the indicated address lue for the called address is unknown (0), parameter	
	Possible rerouteing reasons for st	er B, the call is forwarded to user C, user A is not	
	notified of call diversion and not informed of the diverted-to number and user C is informed of the forwarding number.		
Ensure that the contents of the in the q931InfoElement parameter (BC, LLC UUS 1) and calling party subaddress are correctly delivered to the forwards case when the contents of q931InfoElement parameter and calling party su not compatible with the SETUP message that established the call reference shall send a Facility information element, with a CallRerouteing return error the FACILITY message and release the invoke identifier.			
	Ensure that the DivertingLegInformation3 invoke component from the private network the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2111017	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user and the forwarde	d-to user have a T reference point. e user C are in network N1. The user B is in network
	Calling user is notified of	sed to the diverted-to user: No diversion: Yes, without diverted-to number
		Ir: "presentationRestricted" ion parameter: notificationWithDivertedToNr
	 C User - presentationAllo 	owedIndicator: TRUE (Boolean)
Test purpose:	User A calls user B. The public ne	twork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address
	The type of number parameter val values for the lastRerouteingNr is	ue for the called address is unknown (0), parameter unknown (0).
	Possible rerouteing reasons for sta	ate N9:
	cdlmmediate CFU	
		r B, the call is forwarded to user C, user A is not ned of the diverted-to number and user C is not r.
	UUS 1) and calling party subaddre case when the contents of q931Inf not compatible with the SETUP me	the q931InfoElement parameter (BC, LLC, HLC; ess are correctly delivered to the forwarded user. In the foElement parameter and calling party subaddress are essage that established the call reference, the network ement, with a CallRerouteing return error component in se the invoke identifier.
		nation3 invoke component from the private network of litted in the FACILITY, ALERTING or CONNECT

2111018	ISDN reference to:	Other relevant references:			
	IETCI EN 200 207 4 [42]	ETSI TS 183 036 [42], clause 5.2.5			
	ETSI EN 300 207-1 [12],				
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
T00 (1000110001/0	ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111018				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.				
		e user C are in network N1. The user B is in network			
	N2 and is provided with CFU.				
	Public network settings				
	 Diverting number is relea 	sed to the diverted-to user: No			
	 Calling user is notified of 	diversion: No			
	_				
	Private network settings				
	 B User - lastRerouteingN 	r: "numberNotAvailableDueToInterworking",			
		on parameter: notificationWithDivertedToNr			
		wedIndicator: TRUE (Boolean)			
Test purpose:		twork acts on the call rerouteing invocation request			
l set parpese.		d performs rerouteing towards the indicated address			
	(user C).				
	(4661-6).				
	The type of number parameter val	ue for the called address is unknown (0), parameter			
	values for the lastRerouteingNr is				
	values for the lastive outering wills	arianowii (o).			
	Possible rerouteing reasons for sta	ate N9·			
	• unknown	ato Ivo.			
	• CFU				
	_ ,,,,				
		r B, the call is forwarded to user C, user A is not			
	notified of call diversion and user	C is not informed of the forwarding number.			
		the q931InfoElement parameter (BC, LLC, HLC;			
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the				
		foElement parameter and calling party subaddress are			
		essage that established the call reference, the network			
		ement, with a CallRerouteing return error component in			
	the FACILITY message and release	se the invoke identifier.			
	Ensure that the DivertingLegInformation3 invoke component from the private network of				
	the diverted-to user can be transm	nitted in the FACILITY, ALERTING or CONNECT			
	message.				

2111019	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111019			
Selection criteria:	Forwarding user and the forwarde	d-to user have a T reference point. e user C are in network N1. The user B is in network		
	Public network settings	sed to the diverted-to user: No diversion: No		
	B User - subscriptionOpt	Ir: "presentationRestrictedNumber", ion parameter: notificationWithDivertedToNr owedIndicator: FALSE (Boolean)		
Test purpose:	User A calls user B. The public ne from the private network (NT2) and (user C).	twork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address ue for the called address is unknown (0), parameter unknown (0).		
	Possible rerouteing reasons for sta unknown cdImmediate CFU	ate N9:		
		r B, the call is forwarded to user C, user A is not C is not informed of the forwarding number.		
	UUS 1) and calling party subaddre case when the contents of q931In not compatible with the SETUP me	the q931InfoElement parameter (BC, LLC, HLC; ess are correctly delivered to the forwarded user. In the foElement parameter and calling party subaddress are essage that established the call reference, the network ement, with a CallRerouteing return error component in se the invoke identifier.		
		nation3 invoke component from the private network of litted in the FACILITY, ALERTING or CONNECT		

Table 10: Overview of Call Rerouteing parameters in the test cases 2111020 to 2111024 for End-to End tests when the forwarding user has a T reference point, the diverted-to user the S/T Interface; public network user subscription options is not implemented

Test case	2111020	2111021	2111022	2111023	2111024
Diverted-to user information parameters (User C)					
B User - lastRerouteingNr: "presentationAllowedNumber"	√				√
B User - lastRerouteingNr: "presentationRestricted"		V			
B User - lastRerouteingNr:			√		
"numberNotAvailableDueToInterworking"					
B User - lastRerouteingNr: "presentationRestrictedNumber				V	
CLIR User B					
Calling user information parameters (User A)					
B User - subscriptionOption parameter:		√			
"calling user is notified of diversion"					
notificationWithDivertedToNr					
B User - subscriptionOption parameter:			√		
"calling user is notified of diversion"					
notificationWithoutDivertedToNr					
COLR user C		√			

Table 11: Overview of Call Rerouteing.parameters in the test cases 2111025 to 2111032 for End-to End tests when the forwarding user has a T reference point, the diverted-to user the S/T Interface; Public network user subscription options is implemented (network option)

Test case	2111025	2111026	2111027	2111028	2111029	2111030	2111031	2111032
Diverted-to user information parameters (User C)								
Subscription option: Diverting number is released to the diverted-to user: Yes	√	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$			
Subscription option:Diverting number is released to the diverted-to user: No						$\sqrt{}$		$\sqrt{}$
B User - lastRerouteingNr: "presentationAllowedNumber"	√					\checkmark		
B User - lastRerouteingNr: "presentationRestricted"							V	
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"			V					
B User - lastRerouteingNr: "presentationRestrictedNumber								
CLIR User B					V			
Calling user information parameters (User A)								
Subscription option: Calling user is notified of diversion: Yes, with diverted-to	√	$\sqrt{}$	V					
number								
Subscription option: Calling user is notified of diversion: Yes, without diverted-to				√	√			
number								
Subscription option:Calling user is notified of diversion: No						$\sqrt{}$	√	√
B User - subscriptionOption parameter:	√	√					√	
"calling user is notified of diversion" notificationWithDivertedToNr								
B User - subscriptionOption parameter:								$\sqrt{}$
"calling user is notified of diversion" notificationWithoutDivertedToNr		,						
COLR user C		√					√	

0444000	IODNI (Tou I i i		
2111020	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_ser			
Selection criteria:		nce point, the diverted-to user the S/T Interface. I the user C are in network N1. The user B is in network		
	Private network settings			
	B User - lastReroutein	gNr: "presentationAllowedNumber"		
		Option parameter: "calling user is notified of diversion"		
	notificationWithDiv			
Test purpose:		network acts on the call rerouteing invocation request		
rest purpose.		and performs rerouteing towards the indicated address		
	The type of number parameter	value for the called address is unknown (0), parameter		
	values for the lastRerouteingNr	is unknown (0).		
	Possible rerouteing reasons for	state N9:		
	• unknown			
	cdImmediate			
	• CFU			
	User A is notified of call diversion forwarding number (user B has	on with diverted-to number and user C is informed of the presentation allowed).		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In taken the contents of q931InfoElement parameter and calling party subaddress a not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component the FACILITY message and release the invoke identifier.			
		at the DivertingLegInformation3 invoke component from the private network of ed-to user can be transmitted in the FACILITY, ALERTING or CONNECT		

2111021	ISDN reference to: Other relevant references: ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111021			
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.			
	Private network settings B User - lastRerouteingNr: "presentationRestricted" B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr C User - presentationAllowedIndicator: TRUE (Boolean) C User - COLR			
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0).			
	Possible rerouteing reasons for state N9:			
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number.			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.			
Ensure that the DivertingLegInformation3 invoke component from the private the diverted-to user can be transmitted in the FACILITY, ALERTING or CON message.				

2111022	ISDN reference to: Other relevant references:
2111022	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111022
ISDN selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network
	N2 and is provided with CFU.
	Private network settings
	B User - lastRerouteingNr:
	– "numberNotAvailableDueToInterworking"
	B User - subscriptionOption parameter: notificationWithDivertedToNr
	rerouteing
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request
	from the private network (NT2) and performs rerouteing towards the indicated address
	(user C).
	Possible rerouteing reasons for state N9:
	unknown
	cdlmmediate
	• CFU
	User A is notified without diverted-to number of call diversion and user C is not informed
	of the forwarding number. The type of number parameter value for the called address is
	unknown (0).
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the
	case when the contents of q931InfoElement parameter and calling party subaddress are
	not compatible with the SETUP message that established the call reference, the network
	shall send a Facility information element, with a CallRerouteing return error component in
	the FACILITY message and release the invoke identifier.
	Ensure that the DivertingLegInformation3 invoke component from the private network of
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT
	message.

2111023	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service		
ISDN selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU. Private network settings B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithout DivertedToNr		
Test purpose:	from the private network (NT2) and (user C). The type of number parameter valuvalues for the lastRerouteingNr is unknown	without diverted-to number and user C is not informed the q931InfoElement parameter (BC, LLC, HLC; ss are correctly delivered to the forwarded user. In the oElement parameter and calling party subaddress are essage that established the call reference, the network ement, with a CallRerouteing return error component in e the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2111024	ISDN reference to: Other relevant references:
2111024	
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111024
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.
	Private network settings
	B User - lastRerouteingNr: "presentationAllowedNumber"
	B User - CLIR
	B User - subscriptionOption parameter: notificationWithDivertedToNr
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request
root purpose.	from the private network (NT2) and performs rerouteing towards the indicated address (user C).
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).
	Describle association associate NO
	Possible rerouteing reasons for state N9: • unknown
	cdlmmediate
	• CFU
	• CFU
	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 not informed of the forwarding number (user B has presentation not allowed).
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT
	message.

2111025	ISDN reference to: Other relevant references:			
2111023	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5			
	Clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6			
TCC votovonos	ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111025			
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.			
	Public network settings			
	 Diverting number is released to the diverted-to user: Yes 			
	Calling user is notified of diversion: Yes, with diverted-to number			
	Private network settings			
	B User - lastRerouteingNr: "presentationAllowedNumber"			
	 B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr 			
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address			
	(user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).			
	Possible rerouteing reasons for state N9:			
	• unknown			
	cdlmmediate			
	• CFU			
	User A is notified of call diversion with diverted-to number and user C is informed of the forwarding number (user B has presentation allowed).			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.			
Ensure that the DivertingLegInformation3 invoke component from the priva the diverted-to user can be transmitted in the FACILITY, ALERTING or CO message.				

2111026	ISDN reference to: Other relevant references:
2111020	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5
	Clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111026
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.
Selection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.
	Public network settings
	Diverting number is released to the diverted-to user: Yes
	Calling user is notified of diversion: Yes, with diverted-to number
	Private network settings
	B User - lastRerouteingNr: "presentationRestricted" B User - lastRerouteingNr: "presentationRestricted" Continue and the second of the
	B User - subscriptionOption parameter: "calling user is notified of diversion"
	 notificationWithDivertedToNr
_	C - User COLR
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).
	The type of number parameter value for the called address is unknown (0).
	Possible rerouteing reasons for state N9: • unknown
	cdlmmediate
	CFU
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number.
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.

2111027	ISDN reference to:	ther relevant references:
2111027		
		TSI TS 183 036 [42], clause 5.2.5
		ecommendation ITU-T Q.1912.5 [35], annex B.6
T00 f	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/	
ISDN selection criteria:		oint, the diverted-to user the S/T Interface.
		ser C are in network N1. The user B is in network
	N2 and is provided with CFU.	
	Dublic actions a still as	
	Public network settings	I to the allowated to warm Voc
	Diverting number is released	
	Calling user is notified of diversity	ersion: Yes, with diverted-to number
	Private network settings	
	B User - lastRerouteingNr:	
	– "numberNotAvailableDu	
	• •	parameter: notificationWithDivertedToNr
	rerouteing	
Test purpose:	User A calls user B. The public netwo	rk acts on the call rerouteing invocation request
		erforms rerouteing towards the indicated address
	(user C).	
	The type of number parameter value f	for the called address is unknown (0).
		NO
	Possible rerouteing reasons for state N9:	
	• unknown	
	cdlmmediate	
	• CFU	
		number of call diversion and user C is not informed
	of the forwarding number.	
	The parameter value for the called ad	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;	
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the	
	case when the contents of q931InfoElement parameter and calling party subaddress are	
	not compatible with the SETUP message that established the call reference, the network	
		ent, with a CallRerouteing return error component in
	the FACILITY message and release the	ne invoke identifier.
	Francisco that the Divertical actions of	and involve assessment from the private as twenty of
		on3 invoke component from the private network of
		d in the FACILITY, ALERTING or CONNECT
	message.	

2111028	ISDN reference to: ETSI EN 300 207-1 [12], Other relevant references: ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111028	
ISDN selection criteria:		
	Public network settings Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number	
	Private network settings • B User - lastRerouteingNr: "presentationRestrictedNumber"	
	B User - subscriptionOption parameter: notificationWithout DivertedToNr	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9: unknown	
	cdImmediateCFU	
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111029	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary s			
Selection criteria:	ISDN-ISDN/Supplementary_services/CFU/TC2111029 Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.			
		released to the diverted-to user: Yes ed of diversion: Yes, without diverted-to number		
	B User - CLIR	 B User - lastRerouteingNr:"presentationAllowedNumber" B User - CLIR 		
Test purpose: User A calls user B. The public network acts on the call rerouteing from the private network (NT2) and performs rerouteing towards (user C).		ic network acts on the call rerouteing invocation request 2) and performs rerouteing towards the indicated address or value for the called address is unknown (0), parameter		
	values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N9: unknown cdImmediate CFU			
	notified of call diversion and n	s user B, the call is forwarded to user C, user A is not not informed of the diverted-to number and user C is not mber (user B has presentation not allowed).		
	UUS 1) and calling party suba case when the contents of q9 not compatible with the SETU	e in the q931InfoElement parameter (BC, LLC, HLC; address are correctly delivered to the forwarded user. In the 31InfoElement parameter and calling party subaddress are IP message that established the call reference, the network on element, with a CallRerouteing return error component in elease the invoke identifier.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.			

2444020	ICDN reference to:	
2111030	ISDN reference to: Other relevant references:	
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
T00 (ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111030	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	Public network settings	
	Diverting number is released to the diverted-to user: No	
	Calling user is notified of diversion: No	
	• Calling user is notified of diversion. No	
	Private network settings	
	B User - lastRerouteingNr: "presentationAllowedNumber"	
	B User - subscriptionOption parameter: notificationWithoutDivertedToNr	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request	
rest purpose.	from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9:	
	• unknown	
	cdlmmediate	
	• CFU	
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and user C is informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111031	ISDN reference to:	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111031	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	Public network settings Diverting number is released to the diverted-to user: No Calling user is notified of diversion: No	
	Private network settings • B User - lastRerouteingNr: "presentationRestricted"	
	B User - subscriptionOption parameter: notificationWithDivertedToNr	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9:	
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and user C is not informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111032	ISDN reference to: Other relevant references:	
	ETSI EN 300 207-1 [12], clause	
	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111032	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.	
	 Public network settings Diverting number is released to the diverted-to user: No Calling user is notified of diversion: No 	
	Private network settings B User - lastRerouteingNr: "numberNotAvailableDueToInterworking" B User - subscriptionOption parameter: notificationWithoutDivertedToNr	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9: • unknown	
	cdlmmediate	
	• CFU	
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and user C is not informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2111033	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5	
		Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111033		
Selection criteria:	Call Rerouteing.		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case if diversionCounter exceed the allowed size of multiple forwardings the call is released.		
ISDN parameter values:			
Comments:			

2111034	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC2111034		
Selection criteria:	Call Rerouteing.		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case when the user C in busy, the call is released correctly.		
ISDN parameter values:			
Comments:			

2111035	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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/CFU/TC211135
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.	
	Presentation of a diverted call from a private ISDN to the public ISDN	
	Private network settings	
	SETUP:	
	 Calling Party numb 	per
	 Called Party number 	er
	B User - divertingNr	: "presentationAllowedNumber"
	 C - USER presentat 	ionAllowedIndicator: TRUE (Boolean)
Test purpose:	User A calls user B. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number PIXIT parame	eter values for the divertingNr are defined in Table 12.
	User C is informed of the forwarding number (user B has presentation allowed). Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information	
	element of either a FACILITY, ALI state N02, N03 or N04) message.	ERTING (in call state N02 or N03) or CONNECT (in

Table 12: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr	
1	unknown (0)	
2	internationalNumber (1)	
3	nationalNumber (2)	
4	networkSpecificNumber (3)	
5	subscriberNumber (4)	
6	abbreviatedNumber (6)	

	10011 1		
2111036	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/CFU/TC2111036	
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.		
	Presentation of a diverted call	from a private ISDN to the public ISDN	
	Private network settings	·	
	SETUP		
	– calling Party ու	ımber	
	- Called Party nu		
		gNr: "presentationAllowedNumber"	
		CalledNr: "presentationAllowedNumber"	
Toot numacou		C - USER presentationAllowedIndicator: TRUE (Boolean) Hear P calls year C. Hear C presents the dispersed cell from a private ISPN to the	
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.		
	public ISDN.		
	The type of number DIVIT per	ameter values for the diverting Nr and original Called Nr are	
	The type of number PIXIT parameter values for the divertingNr and originalCalledNr and defined in Table 13.		
	defined in Table 13.		
	User C is informed of the forwarding number.		
Ensure that the IUT in the Null call state N00, on receipt of a SETUP mes			
	a DiversionLegInformation2 invoke component in the Facility information element,		
		and returns a DivertingLegInformation3 invoke component	
	that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.		

Table 13: Type of number PIXIT Values: divertingNr and originalCalledNr

PIXIT VALUE	divertingNr	originalCalledNr
1	unknown (0)	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE: All combinations implied.		

2111037	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servi	
Selection criteria:		ed-to user have a T reference point.
		m a private ISDN to the public ISDN
	Private network settings	·
	SETUP	
	 Calling Party numl 	ber
	 Called Party numb 	er
		r: "presentationRestricted"
	 C - USER presentat 	tionAllowedIndicator: TRUE (Boolean)
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter va	lue for the - divertingNr is unknown (0).
	User C is not informed of the forw	varding number.
	containing a DiversionLegInform element, continues normal call ha component that indicates in the pithe diverted-to user's ISDN numb	call state N00, on receipt of a SETUP message nation2 invoke component in the Facility information andling and returns a DivertingLegInformation3 invoke resentationAllowedIndicator parameter if presentation of er to the calling user is allowed in the Facility ACILITY, ALERTING (in call state N02 or N03) or N04) message.

2111038	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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:		d-to user have a T reference point.
	Presentation of a diverted call from	n a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party numb 	er
	 Called Party number 	er
		:"numberNotAvailableDueToInterworking"
	C - USER presentationAllowedIndicator: TRUE (Boolean)	
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	User C is not informed of the forwarding number.	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

2111039	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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/TC2111039
Selection criteria:	Forwarding user and the forwarded	d-to user have a T reference point.
	Presentation of a diverted call from	a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party numb 	er
	 Called Party number 	er
	B User - divertingNr:	"presentationRestricted"
	 C - USER presentation 	onAllowedIndicator: FALSE (Boolean)
Test purpose:	Forwarding user and the forwarded-to user have a T reference point. User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	User C is not informed of the forwarding number.	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

2111040	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_serv	ices/CFU/TC211140	
Selection criteria:	Forwarding user has a T reference	ce point, the diverted-to user the S/T Interface.	
	Presentation of a diverted call fro	om a private ISDN to the public ISDN	
	Private network settings:		
	SETUP		
	 Calling Party num 	ber	
	 Called Party number 	per	
	 B User - divertingN 	Ir: "presentationAllowedNumber"	
Test purpose:	User B calls user C. User B prese	ents the diverted call from a private ISDN to the	
	public ISDN.	-	
	The type of number PIXIT param	eter values for the divertingNr are defined in Table 14.	
	Hear C is informed of the forward	ling number (user B has presentation allowed).	
	10361 C 13 IIIIOITIEG OI LIE IOIWAIG	ing number (user b has presentation allowed).	

Table 14: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr	
1	unknown (0)	
2	internationalNumber (1)	
3	nationalNumber (2)	
4	networkSpecificNumber (3)	
5	subscriberNumber (4)	
6	abbreviatedNumber (6)	

2111041	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_ser	ISDN-ISDN/Supplementary_services/CFU/TC2111041	
Selection criteria:	Forwarding user has a T referer	Forwarding user has a T reference point, the diverted-to user the S/T Interface.	
	Private network settings SETUP Calling Party nur Called Party num B User - diverting		
Test purpose:	User B calls user C. User B presents the diverted call from a private ISDN to the public ISDN. The type of number PIXIT parameter values for the divertingNr and originalCalledNr are defined in Table 15. User C is informed of the forwarding number.		

Table 15: Type of number PIXIT Values: divertingNr and originalCalledNr

PIXIT	ΓVALUE	divertingNr	originalCalledNr
	1	unknown (0)	unknown (0)
	2	internationalNumber (1)	internationalNumber (1)
	3	nationalNumber (2)	nationalNumber (2)
	4	networkSpecificNumber (3)	networkSpecificNumber (3)
	5	subscriberNumber (4)	subscriberNumber (4)
	6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE:	All combinations implied.		

2111042	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.	
	Presentation of a diverted call from	a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party number 	
	 Called Party number 	r
	B User - divertingNr:	"presentationRestricted"
Test purpose:	User A calls user B. User B preser public ISDN.	ts the diverted call from a private ISDN to the
	The type of number parameter value	ue for the - divertingNr is unknown (0).
	User C is not informed of the forward	rding number.

2111043	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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/TC2111043
Selection criteria:	Forwarding user has a T reference	point, the diverted-to user the S/T Interface.
	Presentation of a diverted call from Private network settings • SETUP - Calling Party numb	a private ISDN to the public ISDN
	 Called Party number 	
	 B User - divertingNr: 	"numberNotAvailableDueToInterworking"
Test purpose:	User A calls user B. User B presents the diverted call from a private ISDN to the	
	public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	User C is not informed of the forward	arding number.

2111044	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_s	1 1/
Selection criteria:		ence point, the diverted-to user the S/T Interface.
	Private network settings • SETUP - Calling Party n - Called Party nu	
Test purpose:	public ISDN.	resents the diverted call from a private ISDN to the r value for the - divertingNr is unknown (0). forwarding number.

6.2.2.12 CFB

The combinations CFB ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP are described in clause 6 of ETSI TS 186 001-1.

211201	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.3 and 9.2.5	ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	0144000 0.2.2, 0.2. 1.0 4114 0.2.0	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CFB/211201
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 reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.3 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	B is in network N2 and is provided ("calling user is notified of call dive	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-UDUB ("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:				

211203	ISDN reference to:	Other relevant references:		
	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	Recommendation 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/211203		
Selection criteria:		s provided with CFB-NDUB("calling user is notified of		
		l-to number, "diverting number is released to the		
	diverted-to user " = Yes, "served u	ser receives notification that the call has been		
	forwarded" = Yes).	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 inform	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 reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.3 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	B is in network N2 and is provided ("calling user is notified of call dive	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		
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 reference to:	Other relevant references:		
	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	Recommendation 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/CFB/211205		
Selection criteria:	The user B is in network N2 and i	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 receive	es notification that the call has been forwarded" = Yes).		
Test purpose:	To verify that a call is released co	To verify that a call is released correctly if CFB was not successful.		
	User A calls busy termination B (t	User A calls busy termination B (that 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:				

6.2.2.12.1 CFB/Call Rerouteing

Table 16: Overview of Call Rerouteing parameters in the test cases 211206 to 212011 for End-to End tests when the forwarding user and the forwarded-to user have a T reference point; No public network user subscription options available

Test case	211206	211207	211208	211209	2112010	2112011
Diverted to user information parameters (User C)						
B User - lastRerouteingNr: "presentationAllowedNumber"	√				V	V
B User - lastRerouteingNr: "presentationRestricted"		V				
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"			1			
B User - lastRerouteingNr: "presentationRestrictedNumber				$\sqrt{}$		
CLIR User B					√	
Calling user information parameters (User A)						
B User - subscriptionOption parameter:		√	√			
"calling user is notified of diversion" notificationWithDivertedToNr						
B User - subscriptionOption parameter:				√	$\sqrt{}$	√
"calling user is notified of diversion" notificationWithoutDivertedToNr						
				,		
C User presentationAllowedIndicator: TRUE (Boolean)	√			\checkmark		
C User presentationAllowedIndicator: FALSE (Boolean)		√				
C User presentationAllowedIndicator:			V			V
not available, has not received a DivertingLegInformation3 invoke component						
COLR user C		V				

Table 17: Overview of Call Rerouteing parameters in the test cases 2112012 to 212020 for End-to End tests when the fortwarding user and the forwarded to user have a T reference point; Public network subscription user options available (network option)

Test case	2112012	2112013	2112014	2112015	2112016	2112017	2112018	2112019	2112020
Diverted-to user information parameters (User C)									
Subscription option: Diverting number is released to the diverted-to user:		V		√	1				
Yes									
Subscription option: Diverting number is released to the diverted-to user: No						$\sqrt{}$		$\sqrt{}$	$\sqrt{}$
B User - lastRerouteingNr: "presentationAllowedNumber"									
B User - lastRerouteingNr: "presentationRestricted"		V							
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"									
B User - lastRerouteingNr: "presentationRestrictedNumber"									$\sqrt{}$
CLIR User B					√				
Calling user information parameters (User A)									
Subscription option: Calling user is notified of diversion: Yes, with diverted-to	√	V			√	V			
number									
Subscription option: Calling user is notified of diversion: Yes, without							1		
diverted-to number									
Subscription option:Calling user is notified of diversion: No								$\sqrt{}$	$\sqrt{}$
B User - subscriptionOption parameter:	√ √		$\sqrt{}$				√	$\sqrt{}$	\checkmark
"calling user is notified of diversion" notificationWithDivertedToNr									
B User - subscriptionOption parameter:					√				
"calling user is notified of diversion" notificationWithoutDivertedToNr									
				,					
C User presentationAllowedIndicator: TRUE (Boolean)	√			√			√	√	
C User presentationAllowedIndicator: FALSE (Boolean)									$\sqrt{}$
C User presentationAllowedIndicator:			$\sqrt{}$			$\sqrt{}$			
not available, has not received a DivertingLegInformation3 invoke									
component									
COLR user C		$\sqrt{}$							$\sqrt{}$

211206	ISDN reference to:			
TSS reference:	ISDN-ISDN/Supplementary_services/CFU/TC211106			
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFU.			
	Private network settings: B User - lastRerouteingNr: "presentationAllowedNumber" B User - subscriptionOption parameter: "calling user is notified of diversion": notificationWithDivertedToNr C User - presentationAllowedIndicator: TRUE (Boolean)			
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number PIXIT parameter values for the calledAddress and lastRerouteingNr are defined in Table 18. Possible rerouteing reasons for state N9: unknown cdImmediate CFB			
	User A is notified of call diversion with diverted-to number and user C is informed of the forwarding number (user B has presentation allowed). Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.			

Table 18: Type of number PIXIT Values: calledAddress and lastRerouteingNr

PIXIT VALUE	calledAddress publicPartyNumber [1] IMPLICIT - PublicPartyNumber	lastRerouteingNr publicPartyNumber [1] IMPLICIT - PublicPartyNumber
1	unknown (0),	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE:	All combinations implied.	

211207	ISDN reference to:	Other relevant references:		
211207	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6		
	clause 10.5			
TCC reference:	ICDN ICDN/Complementant comi	ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/TC211207			
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N1.			
	N2 and is provided with CFB.			
	D: 1 1 11:			
	Private network settings			
	 Rerouteing reason CFB (
	B Use - lastRerouteing	gNr: "presentationRestricted"		
	 B User - subscriptionC 	Option parameter: "calling user is notified of		
	diversion"			
	 notificationWithDive 	rtedToNr		
		AllowedIndicator: FALSE boolean)		
	C - USER COLR	Allowed Haloator: 1 / LOE boolearly		
Test purpose:		etwork acts on the call rerouteing invocation request		
rest purpose.		d performs rerouteing towards the indicated address		
	(user C).	a performs reroutering towards the indicated address		
	(user o).			
	The type of number parameter val	lue for the calledAddress is unknown (0).		
	The type of humber parameter val	de for the called Address is driknown (0).		
	Possible rerouteing reasons for st	ate NO:		
	unknown	ate 140.		
	050			
	• CFB			
	I look A is postified of call diversion	with a stable and the management of the matinformed		
		without diverted-to number and user C is not informed		
	of the forwarding number (user B	nas presentation allowed).		
	Engure that the contents of the in	the g024InfoFloment peremeter /DC LLC LILC		
		the q931InfoElement parameter (BC, LLC, HLC;		
		ess are correctly delivered to the forwarded user. In the		
		foElement parameter and calling party subaddress are		
		essage that established the call reference, the network		
		ement, with a CallRerouteing return error component in		
	the FACILITY message and releas	se the invoke identilier.		
	Engure that the Divertical equation	notion? involve component from the private materials of		
	Ensure that the DivertingLegInformation3 invoke component from the private network of			
		nitted in the FACILITY, ALERTING or CONNECT		
	message.			

044000	ICDNI reference to:	Other relevant references	
211208	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
T00 (100111001110	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/TC211208		
ISDN selection criteria:	Call Rerouteing. The user A and the user C are in network N1. The user B is in network		
	N2 and is provided with CFB.		
	Private network settings		
	B User - lastRerouteingN		
		eDueToInterworking"	
		ion parameter: notificationWithDivertedToNr	
		owedIndicator: presentationAllowedIndicator: not	
	available, has not receive	ed a DivertingLegInformation3 invoke component	
Test purpose:		twork acts on the call rerouteing invocation request	
	from the private network (NT2) and	d performs rerouteing towards the indicated address	
	(user C).		
	Possible rerouteing reasons for sta	ate N9:	
	 unknown 		
	 cdImmediate 		
	• CFB		
	User A is notified without diverted-	to number of call diversion and user C is not informed	
		e of number parameter value for the calledAddress is	
	unknown (0).		
	(-)		
	Ensure that the contents of the in	the q931InfoElement parameter (BC, LLC, HLC; UUS 1)	
		correctly delivered to the forwarded user. In the case	
		ment parameter and calling party subaddress are not	
		age that established the call reference, the network shall	
	send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.		
	Trible Tribadage and release to	io inverte la criamon.	
	Ensure that the Divertingl eaInform	nation3 invoke component from the private network of	
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNEC message.		
	1		

211209	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clause 10.5	Recommendation 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/TC211209			
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point.			
		Call Rerouteing. The user A and the user C are in network N1. The user B is in network		
	N2 and is provided with CFB.			
	Private network settings:	ar lla arrandatica Dentaista dNovale aul		
		r: "presentationRestrictedNumber",		
		on parameter: notificationWithout DivertedToNr		
T4	·	owedIndicator: TRUE (Boolean)		
Test purpose:		work acts on the call rerouteing invocation request deperforms rerouteing towards the indicated address		
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).			
	Possible rerouteing reasons for sta	ate N9:		
	 unknown 			
	 cdlmmediate 			
	• CFB			
	User A is notified of call diversion v of the forwarding number.	without diverted-to number and user C is not informed		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In case when the contents of q931InfoElement parameter and calling party subaddress not compatible with the SETUP message that established the call reference, the netw shall send a Facility information element, with a CallRerouteing return error component the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.			

	I			
2112010	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clause 10.5	Recommendation 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/TC2112010			
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.			
	Call Rerouteing.The user A and N2 and is provided with CFB.	d the user C are in network N1. The user B is in network		
	Private network settings:			
		ngNr: "presentationAllowedNumber"		
	B User - CLIR			
		Option parameter: notificationWithDivertedToNr		
		nAllowedIndicator: FALSE (Boolean)		
Test purpose:		network acts on the call rerouteing invocation request		
		and performs rerouteing towards the indicated address		
	The type of number parameter values for the lastRerouteingNr	value for the called address is unknown (0), parameter is unknown (0).		
	Possible rerouteing reasons for	r state N9:		
	• unknown			
	cdlmmediate			
	• CFB			
	0.2			
		user B, the call is forwarded to user C, user A is notified of of the diverted-to number and user C is not informed of has presentation not allowed).		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HL UUS 1) and calling party subaddress are correctly delivered to the forwarded us case when the contents of q931InfoElement parameter and calling party subaddress are correctly delivered to the forwarded us case when the contents of q931InfoElement parameter and calling party subaddress when the SETUP message that established the call reference, the shall send a Facility information element, with a CallRerouteing return error combine FACILITY message and release the invoke identifier.			
	formation3 invoke component from the private network of insmitted in the FACILITY, ALERTING or CONNECT			

2112011	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB. Private network settings: Rerouteing reason CFB (default) or unknown B User - lastRerouteingNr: "presentationAllowedNumber" B User - subscriptionOption parameter: notificationWithoutDivertedToNr					
		wedIndicator: presentationAllowedIndicator: not ed a DivertingLegInformation3 invoke component				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).					
	Possible rerouteing reasons for sta	ate N9:				
		e that when user A calls user B, the call is forwarded to user C, user A is notified of version and not informed of the diverted-to number and user C is informed of the rding number.				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.					
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.					

2112012	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5 Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/TC2112012				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.				
	Public network settings: • Diverting number is released to the diverted-to user: Yes • Calling user is notified of diversion: Yes, with diverted-to number				
	Private network settings: Rerouteing reason CFB (default) or unknown B User - lastRerouteingNr: "presentationAllowedNumber" B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr C - USER presentationAllowedIndicator: TRUE (Boolean)				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). User A is notified of call diversion with diverted-to number and user C is informed of the forwarding number (user B has presentation allowed). Possible rerouteing reasons for state N9: unknown cdImmediate CFB				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of he diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

21120113	ISDN reference to: ETSI EN 300 207-1 [12], Other relevant references: ETSI TS 183 036 [42], clause 5.2.5					
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6					
TSS reference:	ETSI TS 129 163 [40], clause 7.4.6 ISDN-ISDN/Supplementary_services/CFB/TC2112013					
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.					
delection chiena.	Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.					
	Public network settings					
	Diverting number is released to the diverted-to user: Yes					
	Calling user is notified of diversion: Yes, with diverted-to number					
	Private network settings:					
	Rerouteing reason CFB (default) or unknown P Hoor leathers within RNH, "see and thin Report into diff."					
	B User - lastRerouteingNr: "presentationRestricted" B User - subscription Option page story "polling year in potified of diversion".					
	 B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr 					
	notification with Diverted Long C - USER presentation Allowed Indicator: FALSE (Boolean)					
	• C - USER COLR					
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).					
	The type of number parameter value for the called address is unknown (0).					
	Possible rerouteing reasons for state N9: • unknown					
	cdlmmediate					
	• CFB					
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number (user B has presentation allowed).					
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress					
	are correctly delivered to the forwarded user. In the case when the contents of					
	q931InfoElement parameter and calling party subaddress are not compatible with the					
	SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY					
	message and release the invoke identifier.					
	Ensure that the DivertingLegInformation3 invoke component from the private network of					
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.					
	message.					

2112014	ISDN reference to:	Other relevant references:				
2112014	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5					
		Recommendation ITU-T Q.1912.5 [35], annex B.6				
		ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services					
ISDN selection criteria:	Forwarding user and the forwarded-t					
	Call Rerouteing. The user A and the	user C are in network N1. The user B is in network				
	N2 and is provided with CFB.					
	Public network settings					
	Diverting number is released to the diverted-to user: Yes					
		version: Yes, with diverted-to number				
	Calling ascr is notified of air	version. Tes, with diverted to humber				
	Private network settings:					
	B User - lastRerouteingNr:	Sura Tarlanta musa akina all				
	- "numberNotAvailable[
		n parameter: notificationWithDivertedToNr				
		edIndicator: presentationAllowedIndicator: not				
		a DivertingLegInformation3 invoke component.				
Test purpose:		ork acts on the call rerouteing invocation request				
	from the private network (NT2) and performs rerouteing towards the indicated address					
	(user C).					
	The type of number parameter value	e for the called address is unknown (0).				
	7,71	(3)				
	Possible rerouteing reasons for state	e N9:				
	• unknown					
	cdlmmediate					
	• CFB					
	• CFB					
	User A is notified without diverted-to number of call diversion and user C is not informed					
	of the forwarding number. The parameter value for the called address is unknown (0).					
		e q931InfoElement parameter (BC, LLC, HLC;				
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the					
	case when the contents of q931InfoElement parameter and calling party subaddress are					
	not compatible with the SETUP message that established the call reference, the network					
	shall send a Facility information element, with a CallRerouteing return error component in					
	the FACILITY message and release	the invoke identifier.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of					
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT					
	message.					
	1					

2112015	ICDN reference to:	Other relevant references:				
2112015	ISDN reference to:					
	ETSI EN 300 207-1 [12], clause 10.5	ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6				
	clause 10.5	ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_service					
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point.					
Solv selection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network					
	N2 and is provided with CFB.	e user C are in network ivi. The user b is in network				
	INZ and is provided with Or B.					
	Public network settings:					
		sed to the diverted-to user: Yes				
	•	diversion: Yes, with diverted-to number				
	Calling user is notified of	diversion. Tes, with diverted-to humber				
	Private network settings:					
	Rerouteing reason CFB (default) or unknown				
		Ir: "presentationRestrictedNumber",				
	•	•				
	 B User - subscriptionOption parameter: notificationWithout DivertedToNr C User - presentationAllowedIndicator: TRUE (Boolean) 					
Test purpose:		twork acts on the call rerouteing invocation request				
l est purpose.						
	from the private network (NT2) and performs rerouteing towards the indicated address (user C).					
	(doci o).					
	The type of number parameter value for the called address is unknown (0), parameter					
	values for the lastRerouteingNr is unknown (0).					
	values for the last terestoning will	arianowii (o).				
	Possible rerouteing reasons for sta	ate N9:				
	• unknown					
	cdlmmediate					
	• CFB					
	0.2					
	User A is notified of call diversion	without diverted-to number and user C is not informed				
	of the forwarding number.					
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;					
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the					
	case when the contents of q931InfoElement parameter and calling party subaddress are					
	not compatible with the SETUP message that established the call reference, the network					
	shall send a Facility information element, with a CallRerouteing return error component in					
	the FACILITY message and release the invoke identifier.					
	Ensure that the DivertingLegInformation3 invoke component from the private network of					
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT					
	message.					

2112016	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5				
	clause 10.5	Recommendation 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/TC2112016					
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.					
	· ·	sed to the diverted-to user: Yes diversion: Yes, with diverted-to number				
	Private network settings: B User - lastRerouteingNr: "presentationAllowedNumber", B User - CLIR B User - subscriptionOption parameter: notificationWithDivertedToNr					
	C User - presentationAllo	owedIndicator: FALSE (Boolean)				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).					
	Possible rerouteing reasons for state N9:					
	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 and user C is not informed of the forwarding number (user B has presentation not allowed).					
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.					
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.					

2112017	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6					
TSS reference:	ISDN-ISDN/Supplementary service	ISDN-ISDN/Supplementary_services/CFB/TC2112017					
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in N2 and is provided with CFB.						
	· ·	sed to the diverted-to user: No diversion: Yes, with diverted-to number					
	Private network settings: Rerouteing reason CFB (default) or unknown B User - lastRerouteingNr: "presentationAllowedNumber", B User - subscriptionOption parameter: notificationWithoutDivertedToNr C User - presentationAllowedIndicator: presentationAllowedIndicator: not available, has not received a DivertingLegInformation3 invoke component						
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).						
	Possible rerouteing reasons for state N9: unknown cdImmediate CFB						
	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 and user C is informed of the forwarding number.						
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.						
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.						

2112018		If their relevant reterences:					
	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5					
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6					
	clause 10.5	ETSI TS 129 163 [40], clause 7.4.6					
TSS reference:	ISDN ISDN/Supplementary convic						
Selection criteria:	ISDN-ISDN/Supplementary_services/CFB/TC2112018 Forwarding user and the forwarded-to user have a T reference point.						
Selection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network						
	N2 and is provided with CFB.	de de la					
	142 and is provided with or B.						
	Public network settings:						
		sed to the diverted-to user: No					
		diversion: Yes, without diverted-to number					
		and the state of t					
	Private network settings						
	Rerouteing reason CFB (default) or unknown					
		r: "presentationRestricted",					
		ion parameter: notificationWithDivertedToNr					
		owedIndicator: TRUE (Boolean)					
Test purpose:	User A calls user B. The public ne	twork acts on the call rerouteing invocation request					
	from the private network (NT2) and performs rerouteing towards the indicated address						
	(user C).						
	The type of number parameter value for the called address is unknown (0), parameter						
	values for the lastRerouteingNr is unknown (0).						
	Possible rerouteing reasons for state N9:						
	• unknown						
	cdlmmediate						
	• CFB						
		T. D. the cell is few would do wear C. wear A is positived of					
		er B, the call is forwarded 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.						
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;						
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the						
	case when the contents of q931InfoElement parameter and calling party subaddress are						
	not compatible with the SETUP message that established the call reference, the network						
	shall send a Facility information element, with a CallRerouteing return error component in						
	the FACILITY message and release the invoke identifier.						
	Į						
	Ensure that the DivertingLegInformation3 invoke component from the private network of						
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT						
	message.						

2112019	ICDN reference to:	Other relevant references:				
2112019						
		ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6				
		ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services					
Selection criteria:	Forwarding user and the forwarded-t					
Selection criteria.						
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.					
	INZ and is provided with Cr B.					
	Public network settings:					
		d to the diverted-to user: No				
	Calling user is notified of div					
	Calling user is notified of div	version. No				
	Private network settings:					
	Rerouteing reason CFB (de	efault) or unknown				
		"numberNotAvailableDueToInterworking"				
	 B User - subscriptionOption parameter: notificationWithDivertedToNr C User - presentationAllowedIndicator: TRUE (Boolean) 					
Test purpose:		ork acts on the call rerouteing invocation request				
Tool pulpood.		performs rerouteing towards the indicated address				
	(user C).					
	The type of number parameter value for the called address is unknown (0), parameter					
	values for the lastRerouteingNr is unknown (0).					
		()				
	Possible rerouteing reasons for state N9:					
	• unknown					
	cdImmediate					
	• CFB					
		B, the call is forwarded to user C, user A is not				
	notified of call diversion and user C is not informed of the forwarding number.					
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;					
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the					
	case when the contents of q931InfoElement parameter and calling party subaddress are					
	not compatible with the SETUP message that established the call reference, the network					
	shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.					
	line FACILITY message and release	the invoke identifier.				
	Ensure that the Divertinal caleforms	tion? invoke component from the private network of				
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT					
	message.					
	Imosago.					

2112020	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.				
	Public network settings	sed to the diverted-to user: No diversion: No			
	Private network settings B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithDivertedToNr C User - presentationAllowedIndicator: FALSE (Boolean) C User - COLR				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).				
	Possible rerouteing reasons for state N9:				
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and user C is not informed of the forwarding number.				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

Table 19: Overview of Call Rerouteing parameters in the test cases 2112021 to 211025 for End-to End tests when the forwarding user has a T reference point, the diverted-to user the S/T Interface; public network user subscription options is not implemented

Test case	2112021	2112022	2112023	2112024	2112025
Diverted-to user information parameters (User C)					
B User - lastRerouteingNr: "presentationAllowedNumber"	√				√
B User - lastRerouteingNr: "presentationRestricted"		√ 			
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"			√		
B User - lastRerouteingNr: "presentationRestrictedNumber				V	
CLIR User B					V
Calling user information parameters (User A)					
B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	V	√ 		V	V
B User - subscriptionOption parameter:			√		
"calling user is notified of diversion" notificationWithoutDivertedToNr					
COLR user C		√			

Table 20 Overview of Call Rerouteing.parameters in the test cases 2112026 to 2112033 for End-to End tests when the forwarding user has a T reference point, the diverted-to user the S/T Interface; Public network user subscription options is implemented (network option)

Test case	2112026	2112027	2112028	2112029	2112030	2112031	2112032	2112033
Diverted-to user information parameters (User C)								
Subscription option: Diverting number is released to the diverted-to user: Yes	√	√		$\sqrt{}$	√			
Subscription option:Diverting number is released to the diverted-to user: No						$\sqrt{}$	$\sqrt{}$	
B User - lastRerouteingNr: "presentationAllowedNumber"	√				√	$\sqrt{}$		
B User - lastRerouteingNr: "presentationRestricted"		√					$\sqrt{}$	
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"								$\sqrt{}$
B User - lastRerouteingNr: "presentationRestrictedNumber				$\sqrt{}$				
CLIR User B					$\sqrt{}$			
Calling user information parameters (User A)								
Subscription option: Calling user is notified of diversion: Yes, with diverted-to number	√		$\sqrt{}$					
Subscription option: Calling user is notified of diversion: Yes, without diverted-to number				$\sqrt{}$	$\sqrt{}$			
Subscription option: Calling user is notified of diversion: No						$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
B User - subscriptionOption parameter:		√		$\sqrt{}$		$\sqrt{}$	$\sqrt{}$	
"calling user is notified of diversion" notificationWithDivertedToNr								
B User - subscriptionOption parameter:					√			$\sqrt{}$
"calling user is notified of diversion" notificationWithoutDivertedToNr							,	
COLR user C		√					√	

2112021	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5 Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/TC2112021	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.	
	Private network settings: Rerouteing reason CFB (default) or unknown B User - lastRerouteingNr: "presentationAllowedNumber" B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N9: unknown cdlmmediate	
	CFB User A is notified of call diversion with diverted-to Number and user C is informed of the forwarding number (user B has presentation allowed).	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2112022	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5 Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/TC2112022		
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.		
	Private network settings:		
	B User - lastRerouteingNr: "presentationRestricted"		
	 B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr 		
	 C User - presentationAllowedIndicator: TRUE (Boolean) C User - COLR 		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).		
	The type of number parameter value for the called address is unknown (0).		
	Possible rerouteing reasons for state N9: • unknown		
	cdlmmediate CFB		
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number.		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2112023	ISDN reference to:	Other relevant references:	
2112023			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
	100111001110	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service		
ISDN selection criteria:		point, the diverted-to user the S/T Interface.	
		e user C are in network N1. The user B is in network	
	N2 and is provided with CFB.		
	Private network settings:		
	 Rerouteing reason CFB (default) or unknown	
	B User - lastRerouteingN	r	
	 "numberNotAvailableDue 	ToInterworking"	
	B User - subscriptionOpt	ion parameter: notificationWithDivertedToNr rerouteing	
Test purpose:		twork acts on the call rerouteing invocation request	
		d performs rerouteing towards the indicated address	
	(user C).	perioring to raise and maissass sasting	
	The type of number parameter val	ue for the called address is unknown (0).	
	The syptem of the same of the		
	Possible rerouteing reasons for sta	Possible rerouteing reasons for state N9:	
	unknown		
	cdlmmediate		
	• CFB		
	• CFB		
	User A is notified without diverted-to number of call diversion and user C is not informe of the forwarding number.		
		he model reference to a responsible (DC 11 C 11 C)	
		the q931InfoElement parameter (BC, LLC, HLC;	
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the		
	case when the contents of q931InfoElement parameter and calling party subaddress are		
	not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in		
	the FACILITY message and release the invoke identifier.		
	Francis that the Discretical Co		
		nation3 invoke component from the private network of	
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2112024	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	
ISDN selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB. Private network settings: Rerouteing reason CFB (default) or unknown B User - lastRerouteingNr: "presentationRestrictedNumber"	
		on parameter: notificationWithout DivertedToNr
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N9: unknown cdlmmediate CFB User A is notified of call diversion with diverted-to number and user C is not informed of the forwarding number.	
	UUS 1) and calling party subaddrescase when the contents of q931Informot compatible with the SETUP me	the q931InfoElement parameter (BC, LLC, HLC; as are correctly delivered to the forwarded user. In the deliverent parameter and calling party subaddress are assage that established the call reference, the network ement, with a CallRerouteing return error component in the the invoke identifier.
Ensure that the DivertingLegInformation3 invoke the diverted-to user can be transmitted in the FAC message.		ation3 invoke component from the private network of tted in the FACILITY, ALERTING or CONNECT

2112025	ISDN reference to: Other relevant references:	
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5 Recommendation 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/TC2112025	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.	
	Private network settings:	
	B User - lastRerouteingNr: "presentationAllowedNumber"	
	B User - CLIR	
	B User - subscriptionOption parameter: notificationWithDivertedToNr	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N9: unknown	
	cdImmediateCFB	
	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 not informed of the forwarding number (user B has presentation not allowed).	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2112026	ISDN reference to: Other relevant references:	
2112020	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6	
TCC votovonos	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFB/TC2112026	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.	
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network	
	N2 and is provided with CFB.	
	D 111	
	Public network settings:	
	 Diverting number is released to the diverted-to user: Yes 	
	 Calling user is notified of diversion: Yes, with diverted-to number 	
	Private network settings:	
	Rerouteing reason CFB (default) or unknown	
	B User - lastRerouteingNr: "presentationAllowedNumber"	
	B User - subscriptionOption parameter: "calling user is notified of diversion":	
	 notificationWithDivertedToNr 	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request	
· · · · · ·	from the private network (NT2) and performs rerouteing towards the indicated address	
	(user C).	
	The type of number parameter value for the called address is unknown (0), parameter	
	values for the lastRerouteingNr is unknown (0).	
	values for the last toroutoning. It is an intro mir (o).	
	Possible rerouteing reasons for state N9: unknown cdlmmediate	
	• CFB	
	Here A is a stiffed of sell discussion with discussed to use a study on C is informed at the	
	User A is notified of call diversion with diverted-to user and user C is informed of the	
	forwarding number.	
	Francisco that the contents of the in the conducto Florescate consecution (BO 11 O 111 O	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;	
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the	
	case when the contents of q931InfoElement parameter and calling party subaddress are	
	not compatible with the SETUP message that established the call reference, the network	
	shall send a Facility information element, with a CallRerouteing return error component in	
	the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of	
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT	
	message.	

2112027	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.		
	_	sed to the diverted-to user: Yes diversion: Yes, with diverted-to number	
	Private network settings: Rerouteing reason CFB (default) or unknown B User - lastRerouteingNr: "presentationRestricted" B User - subscriptionOption parameter: "calling user is notified of diversion":		
	 notificationWithDiver C - USER presentationAll C - USER COLR 	lowedIndicator: TRUE (Boolean)	
Test purpose: User A calls user B. The public network acts on the call rerouteing inverse from the private network (NT2) and performs rerouteing towards the in (user C).			
	The type of number parameter value for the called address is unknown (0).		
	Possible rerouteing reasons for sta unknown	ate N9:	
	cdlmmediateCFB		
	User A is notified of call diversion of the forwarding number (user B h	without diverted-to number and user C is not informed has presentation allowed).	
	UUS 1) and calling party subaddre case when the contents of q931Inf not compatible with the SETUP me	the q931InfoElement parameter (BC, LLC, HLC; ess are correctly delivered to the forwarded user. In the foElement parameter and calling party subaddress are essage that established the call reference, the network ement, with a CallRerouteing return error component in se the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2112028	ISDN reference to: Other relevant references:		
2112026	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5		
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6		
TSS reference:	ETSI TS 129 163 [40], clause 7.4.6		
ISDN selection criteria:	ISDN-ISDN/Supplementary_services/CFB/TC2112028 Forwarding user has a T reference point, the diverted-to user the S/T Interface.		
ISDN selection criteria.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network		
	N2 and is provided with CFB.		
	Public network settings:		
	Diverting number is released to the diverted-to user: Yes		
	 Calling user is notified of diversion: Yes, with diverted-to number 		
	• Calling user is notified of diversion. Fes, with diverted-to number		
	Private network settings		
	Rerouteing reason CFB (default) or unknown		
	B User - lastRerouteingNr:		
	"numberNotAvailableDueToInterworking"		
	B User - subscriptionOption parameter: notificationWithDivertedToNr rerouteing		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request		
rest purpose.	from the private network (NT2) and performs rerouteing towards the indicated address		
	(user C).		
	The type of number parameter value for the called address is unknown (0).		
	The type of humber parameter value for the same address is antinown (c).		
	Possible rerouteing reasons for state N9: unknown cdImmediate CFB		
	User A is notified without diverted-to number of call diversion and user C is not informed		
	of the forwarding number.		
	The parameter value for the called address is unknown (0).		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;		
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the		
	case when the contents of q931InfoElement parameter and calling party subaddress are		
	not compatible with the SETUP message that established the call reference, the network		
	shall send a Facility information element, with a CallRerouteing return error component in		
	the FACILITY message and release the invoke identifier.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of		
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		
	message.		
-			

2112029	ISDN reference to:	Other relevant references:	
2112023	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
	clause 10.5		
TSS reference:	ETSI TS 129 163 [40], clause 7.4.6 ISDN-ISDN/Supplementary_services/CFB/TC2112029		
ISDN selection criteria:			
ISDN selection criteria:		e point, the diverted-to user the S/T Interface.	
		e user C are in network N1. The user B is in network	
	N2 and is provided with CFB.		
	Dublic network cettings:		
	Public network settings:	and to the diverted to warm Van	
		sed to the diverted-to user: Yes	
	Calling user is notified of	diversion: Yes, with diverted-to number	
	Private network settings:		
	Rerouteing reason CFB (default) or unknown	
		Ir: "presentationRestrictedNumber"	
	•	·	
Test numbers		on parameter: notificationWithout DivertedToNr	
Test purpose:		twork acts on the call rerouteing invocation request	
		d performs rerouteing towards the indicated address	
	(user C).		
	The time of many hands and a second	f th - d - d d : (0) t	
		ue for the called address is unknown (0), parameter	
	values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N9:		
	unknown	ate 143.	
	cdlmmediateCFB		
	Lloor A is notified of call diversion	without divarted to number and user C is not informed	
	User A is notified of call diversion without diverted-to number and user C is not informed		
	of the forwarding number.		
	Ensure that the contents of the in t	he g031InfoElement parameter (BC LLC HLC)	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;		
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the		
	case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network		
	shall send a Facility information element, with a CallRerouteing return error comp the FACILITY message and release the invoke identifier.		
	Ensure that the Divertinal calaforn	nation3 invoke component from the private network of	
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		
	inicosage.		

2112030	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5 Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/TC2112030		
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.		
	Public network settings: • Diverting number is released to the diverted-to user: Yes • Calling user is notified of diversion: Yes, without diverted-to number		
	Private network settings: B User - lastRerouteingNr:"presentationAllowedNumber" B User - CLIR		
Test purpose:	B User - subscriptionOption parameter: notificationWithoutDivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).		
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).		
	Possible rerouteing reasons for state N9: unknown cdImmediate CFB		
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and user C is not informed of the forwarding number (user B has presentation not allowed).		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2112031	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.	
	Public network settings:	sed to the diverted-to user: No diversion: No
	•	default) or unknown lr: "presentationAllowedNumber" ion parameter: notificationWithoutDivertedToNr
Test purpose:		twork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address
	The type of number parameter val values for the lastRerouteingNr is	ue for the called address is unknown (0), parameter unknown (0).
	Possible rerouteing reasons for state N9: unknown cdImmediate CFB	
		r B, the call is forwarded to user C, user A is not C is informed of the forwarding number.
	UUS 1) and calling party subaddre are correctly delivered to the forward q931InfoElement parameter and c SETUP message that established	arded user. In the case when the contents of alling party subaddress are not compatible with the the call reference, the network shall send a Facility routeing return error component in the FACILITY
Ensure that the DivertingLegInformation3 invoke component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY, ALERTING or Component from the private diverted-to user can be transmitted in the FACILITY.		

2112032	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB.	
	Public network settings:	sed to the diverted-to user: No diversion: No
	•	default) or unknown Ir: "presentationRestricted" ion parameter: notificationWithDivertedToNr
Test purpose:		twork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address
	The type of number parameter val values for the lastRerouteingNr is	ue for the called address is unknown (0), parameter unknown (0).
	Possible rerouteing reasons for state N9: unknown cdlmmediate CFB	
		r B, the call is forwarded to user C, user A is not C is not informed of the forwarding number.
	UUS 1) and calling party subaddre are correctly delivered to the forward q931InfoElement parameter and c SETUP message that established	arded user. In the case when the contents of alling party subaddress are not compatible with the the call reference, the network shall send a Facility prouteing return error component in the FACILITY
Ensure that the DivertingLegInformation3 invoke component from the prive the diverted-to user can be transmitted in the FACILITY, ALERTING or Comessage.		

2112033	ISDN reference to:	Other relevant references:	
2112000	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
	014466 10.6	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:			
Coloculori oritoria.	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFB. Public network settings:		
	Diverting number is released to the diverted-to user: No		
	Calling user is notified of diversion: No		
	Private network settings:		
	Rerouteing reason CFB		
	_	Nr: "numberNotAvailableDueToInterworking"	
		tion parameter: notificationWithoutDivertedToNr	
Test purpose: User A calls user B. The public network acts on the call rerouteing invoc from the private network (NT2) and performs rerouteing towards the ind (user C).			
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).		
	Possible rerouteing reasons for state N9:		
	• unknown		
	 cdImmediate 		
	CFB		
		er B, the call is forwarded to user C, user A is not C is not informed of the forwarding number.	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2112034	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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/TC2112034	
Selection criteria:	Call Rerouteing.	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the cae if diversionCounter exceed the allowed size of multiple forwardings the call is released.	
ISDN parameter values:		
Comments:		

2112035	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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/TC2112035	
Selection criteria:	Call Rerouteing.	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case when the user C in busy, the call is released correctly.	
ISDN parameter values:		
Comments:		

2112036	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation 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/CFB/TC2112036	
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.		
	Presentation of a diverted call from a private ISDN to the public ISDN		
	Private network settings:	Private network settings:	
	SETUP:		
	 Calling Party num 	ber	
	 Called Party numb 	per	
	B User - divertingN	r: "presentationAllowedNumber"	
	 C User - presentati 	onAllowedIndicator: TRUE (Boolean)	
Test purpose:	User A calls user B. User C presents the diverted call from a private ISDN to the public ISDN . The type of number PIXIT parameter values for the divertingNr are defined in Table 21. User C is informed of the forwarding number (user B has presentation allowed). Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.		

Table 21: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr
1	unknown (0)
2	internationalNumber (1)
3	nationalNumber (2)
4	networkSpecificNumber (3)
5	subscriberNumber (4)
6	abbreviatedNumber (6)

2112037	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation 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/CFB/TC2112037	
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.		
	Presentation of a diverted call from a private ISDN to the public ISDN		
	Private network settings:		
	SETUP:	SETUP:	
	Calling Party number		
	 Called Party num 	nber	
	 B User - diverting 	Nr: "presentationAllowedNumber"	
	 B User - originalC 	CalledNr: "presentationAllowedNumber"	
	 C User - presentationAllowedIndicator: TRUE (Boolean) 		
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN. The type of number PIXIT parameter values for the divertingNr and originalCalledNr are defined in Table 22. User C is informed of the forwarding number.		
Ensure that the IUT in the Null call state N00, on receipt of a SETUP message a DiversionLegInformation2 invoke component in the Facility information elem continues normal call handling and returns a DivertingLegInformation3 invoke that indicates in the presentationAllowedIndicator parameter if presentation of diverted-to user's ISDN number to the calling user is allowed in the Facility information of either a FACILITY, ALERTING (in call state N02 or N03) or CONNI state N02, N03 or N04) message.		oke component in the Facility information element, and returns a DivertingLegInformation3 invoke component nAllowedIndicator parameter if presentation of the to the calling user is allowed in the Facility information ALERTING (in call state N02 or N03) or CONNECT (in	

Table 22: Type of number PIXIT Values: divertingNr and originalCalledNr

PIXIT	「 VALUE	divertingNr	originalCalledNr
	1	unknown (0)	unknown (0)
	2	internationalNumber (1)	internationalNumber (1)
	3	nationalNumber (2)	nationalNumber (2)
	4	networkSpecificNumber (3)	networkSpecificNumber (3)
	5	subscriberNumber (4)	subscriberNumber (4)
	6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE:	All combinati	ons implied.	

2112038	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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:	Forwarding user and the forwarded	d-to user have a T reference point.
	Presentation of a diverted call from	n a private ISDN to the public ISDN
	Private network settings:	
	SETUP:	
	 Calling Party numb 	er
	 Called Party number 	er
	 B User - divertingNr. 	: "presentationRestricted"
	 C User - presentatio 	nAllowedIndicator: TRUE (Boolean)
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter value	ue for the - divertingNr is unknown (0).
	User C is not informed of the forward	arding number.
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

2112039	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/TC2112039
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Presentation of a diverted call from a private ISDN to the public ISDN Private network settings: • SETUP: - Calling Party number	
	- Called Party number	
		:"numberNotAvailableDueToInterworking" AllowedIndicator: TRUE (Boolean)
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	User C is not informed of the forwarding number.	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

2112040	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6
	0.4400 1011	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:		d-to user have a T reference point.
Concoment contents		a private ISDN to the public ISDN
	Private network settings:	ra private legit to the passe legit
	• SETUP:	
	- Calling Party numb	er
	Called Party number	
	_	"presentationRestricted"
		nAllowedIndicator: FALSE (Boolean)
Test purpose:	Forwarding user and the forwarded-to user have a T reference point.	
Test purpose.	User B calls user C. User C presents the diverted call from a private ISDN to the	
	public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	The type of maniber parameter valv	de lei ale alverangia le amaleum (e).
	User C is not informed of the forwarding number.	
	and the state of t	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing	
	a DiversionLegInformation2 invoke component in the Facility information element,	
	continues normal call handling and returns a DivertingLegInformation3 invoke component	
	that indicates in the presentationAllowedIndicator parameter if presentation of the	
	diverted-to user's ISDN number to the calling user is allowed in the Facility information	
	element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in	
	state N02, N03 or N04) message.	

2112041	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation 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/CFB/TC211241	
Selection criteria:	Forwarding user has a T refer	ence point, the diverted-to user the S/T Interface.	
	Presentation of a diverted call	from a private ISDN to the public ISDN	
	Private network settings:	·	
	SETUP:		
	 Calling Party no 	umber	
	 Called Party nu 	mber	
	 B User - diverting 	gNr: "presentationAllowedNumber"	
Test purpose:	User B calls user C. User B pr	esents the diverted call from a private ISDN to the	
	public ISDN.		
	The type of number PIXIT parameter values for the divertingNr are defined in Table 23.		
	User C is informed of the forw	arding number (user B has presentation allowed).	

Table 23: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr
1	unknown (0)
2	internationalNumber (1)
3	nationalNumber (2)
4	networkSpecificNumber (3)
5	subscriberNumber (4)
6	abbreviatedNumber (6)

2112042	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_se	rvices/CFB/TC2112042	
Selection criteria:	Forwarding user has a T refere	Forwarding user has a T reference point, the diverted-to user the S/T Interface.	
	Private network settings: SETUP: Calling Party number - Called Party number - diverting		
Test purpose:	User B calls user C. User B presents the diverted call from a private ISDN to the public ISDN. The type of number PIXIT parameter values for the divertingNr and originalCalledNr are defined in Table 24. User C is informed of the forwarding number.		

Table 24: Type of number PIXIT Values: divertingNr and originalCalledNr

PIXIT VALUE	divertingNr	originalCalledNr
1	unknown (0)	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE: All combinations implied.		

2112043	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/TC2112043	
Selection criteria:	Forwarding user has a T reference	Forwarding user has a T reference point, the diverted-to user the S/T Interface.	
	Presentation of a diverted call from	n a private ISDN to the public ISDN	
	Private network settings:		
	SETUP:		
	 Calling Party numb 	per	
	 Called Party number 	er	
	_ I	: "presentationRestricted"	
Test purpose:		nts the diverted call from a private ISDN to the	
	The type of number parameter val	ue for the - divertingNr is unknown (0).	
	User C is not informed of the forward	arding number.	

2112044	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation 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/CFB/TC2112044	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.		
	Presentation of a diverted call from	a private ISDN to the public ISDN	
	Private network settings:		
	SETUP:		
	Calling Party number		
	Called Party number		
	B User - divertingNr:"numberNotAvailableDueToInterworking"		
Test purpose:	User A calls user B. User B presents the diverted call from a private ISDN to the		
	public ISDN.		
	The type of number parameter value for the - divertingNr is unknown (0).		
	User C is not informed of the forwarding number.		

2112045	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/CFB/TC2112045	
Selection criteria:	Forwarding user has a T refere	ence point, the diverted-to user the S/T Interface.	
	Duran utation of a discount of a life	forms a minute IODN to the mobile IODN	
		from a private ISDN to the public ISDN	
	Private network settings:		
	SETUP:		
	 Calling Party nu 	ımber	
	 Called Party null 	Called Party number	
	 B User - diverting 	gNr: "presentationRestricted"	
Test purpose:	User A calls user B. User B pre	esents the diverted call from a private ISDN to the public	
	ISDN.		
	The type of number parameter	value for the - divertingNr is unknown (0).	
	User C is not informed of the fo	orwarding number.	

2112046	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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/CFB/TC2112046
Selection criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case if diversionCounter exceed the allowed size of multiple forwardings the call is released.	
ISDN parameter values:	CFB - partial rerouteing	
Comments:		

2112047	ISDN reference to:	Other relevant references:
		ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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/CFB/TC2112047
Selection criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case when the user C in busy, the call is released correctly.	
ISDN parameter values:	CFB - partial rerouteing	
Comments:		

6.2.2.13 CFNR

The combinations CFNR ISDN-SIP-ISDN, ISDN-SIP-SIP and ISDN-ISDN-SIP are described in clause 6 of ETSI TS $186\ 001-1\ [45]$.

211301	ISDN reference to: ETSI EN 300 403-1 [1], clauses 9.2.2, 9.2.4.4 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35] annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi		
Selection criteria:	The user A and the user C are in network 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 user call retention on invocation of diversion " is "retain call until alerting begins at diverting to user".		

211302	ISDN reference to: ETSI EN 300 403-1 [1], clauses 9.2.2, 9.2.4.4 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	B is in network N2 and is provided	network N1 and user C is provided with COLR. The user I with CFNR (option A, late release) ("calling user is ith diverted-to number, "diverting number is released to	
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 u call until alerting begins at divertin	ser call retention on invocation of diversion " is "retain g to user".	

211303	ISDN reference to: ETSI EN 300 403-1 [1], clauses 9.2.2, 9.2.4.4 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR (option B, immediate 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:	CFNR active		
Comments:	Network provider option "served user call retention on invocation of diversion " is "clear call on invocation".		

211304	ISDN reference to: ETSI EN 300 403-1 [1], clauses 9.2.2, 9.2.4.4 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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/211304	
Selection criteria:	B is in network N2 and is provided	etwork N1 and user C is provided with COLR. The user with CFNR (option B, immediate release) ("calling user with diverted-to number, "diverting number is released	
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:	CFNR active		
Comments:	Network provider option "served us call on invocation".	ser call retention on invocation of diversion " is "clear	

211305	ISDN reference to:	Other relevant references:		
	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	Recommendation 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/211305		
Selection criteria:	The user B is in network N2 and is provided with CFNR (option B, immediate release)			
		ersion" = Yes, with diverted-to number, "diverting		
	number is released to the diverted	d-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			

6.2.2.13.1 CFNR/Call Rerouteing

Table 25: Overview of Call Rerouteing parameters in the test cases 211305 to 2113010 for End-to End tests when the forwarding user and the forwarded-to user have a T reference point; No public network user subscription options available

Test case	211305	211306	211307	211308	211309	2113010
Diverted to user information parameters (User C)						
Diverted to user information parameters						
B User - lastRerouteingNr: "presentationAllowedNumber"						$\sqrt{}$
B User - lastRerouteingNr: "presentationRestricted"						
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"						
B User - lastRerouteingNr: "presentationRestrictedNumber				V		
CLIR User B					$\sqrt{}$	
Calling user information parameters (User A)						
B User - subscriptionOption parameter:		√				
"calling user is notified of diversion" notificationWithDivertedToNr						
B User - subscriptionOption parameter:				$\sqrt{}$	√	√
"calling user is notified of diversion" notificationWithoutDivertedToNr						
C User presentationAllowedIndicator: TRUE (Boolean)	√			$\sqrt{}$		
C User presentationAllowedIndicator: FALSE (Boolean)		V			√	
C User presentationAllowedIndicator:			√			√
not available, has not received a DivertingLegInformation3 invoke component						
COLR user C		√				

Table 26: Overview of Call Rerouteing parameters in the test cases 2113011 to 213018 for End-to End tests when the fortwarding user and the forwarded to user have a T reference point; Public network subscription user options available (network option)

Test case	2113011	2113012	2113013	2113014	2113015	2113016	2113017	2113018	2113019
Diverted-to user information parameters									
Subscription option: Diverting number is released to the diverted-to user:	√	√	1	V	V				
Yes									
Subscription option: Diverting number is released to the diverted-to user:						$\sqrt{}$	√	√	$\sqrt{}$
No									
B User - lastRerouteingNr: "presentationAllowedNumber"	√				V	V			
B User - lastRerouteingNr: "presentationRestricted"		√					√		
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"								√	
B User - lastRerouteingNr: "presentationRestrictedNumber"				$\sqrt{}$					$\sqrt{}$
CLIR User B					$\sqrt{}$				
Calling user information parameters									
Subscription option: Calling user is notified of diversion: Yes, with	√	√	1	$\sqrt{}$		$\sqrt{}$			
diverted-to number									
Subscription option: Calling user is notified of diversion: Yes, without							√		
diverted-to number									
Subscription option:Calling user is notified of diversion: No								√	V
B User - subscriptionOption parameter:	√		√				√	√	√
"calling user is notified of diversion" notificationWithDivertedToNr									
B User - subscriptionOption parameter:				\checkmark	V	V			
"calling user is notified of diversion" notificationWithoutDivertedToNr									
	,			,				,	
C User presentationAllowedIndicator: TRUE (Boolean)	√			√			V	V	
C User presentationAllowedIndicator: FALSE (Boolean)		√			V				V
C User presentationAllowedIndicator:			√			√			
not available, has not received a DivertingLegInformation3 invoke									
component		,							
COLR user C		√							V

211305	ISDN reference to:	Other relevant references:			
211000	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
	clause 10.5	:			
T00 f	IODALIODAL/O	ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:		ISDN-ISDN/Supplementary_services/CFU/TC211305			
Selection criteria:		Forwarding user and the forwarded-to user have a T reference point.			
	N2 and is provided with CFU.	I the user C are in network N1. The user B is in network			
	Private network settings:				
		gNr: "presentationAllowedNumber"			
		option parameter: "calling user is notified of diversion":			
	 notificationWithDiv 				
		IllowedIndicator: TRUE (Boolean)			
Test purpose:	from the private network (NT2) a	network acts on the call rerouteing invocation request and performs rerouteing towards the indicated address			
	(user C).	sector values for the scalled Address and lootDerestoing Ni			
		neter values for the calledAddress and lastRerouteingNr			
	are defined in Table 27.				
	Descible remarksing researches	atata N.7.			
	Possible rerouteing reasons for	state N7:			
	• unknown				
	 cdAlerting 				
	• CFNR				
	User A is notified of call diversio forwarding number (user B has page 1)	n with diverted-to number and user C is informed of the presentation allowed).			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are				
	shall send a Facility information	not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.			
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

Table 27: Type of number PIXIT Values: calledAddress and lastRerouteingNr

PIXIT VALUE	calledAddress publicPartyNumber [1] IMPLICIT - PublicPartyNumber	lastReroutingNr publicPartyNumber [1] IMPLICIT - PublicPartyNumber
1	unknown (0)	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE: All combinations implied.		

211306	ISDN reference to: Other relevant references:				
211300	ETSI EN 300 207-1 [12], clause 10.5 ETSI TS 183 036 [42], clause 5.2.5				
	Recommendation ITU-T Q.1912.5 [35], annex B.6				
T00 (ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC211306				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.				
	Private network settings:				
	B User - lastRerouteingNr: "presentationRestricted"				
	B User - subscriptionOption parameter: "calling user is notified of diversion":				
	notificationWithDivertedToNr				
	C User - presentationAllowedIndicator: FALSE boolean)				
	C User - COLR				
Toot nurnoss:	User A calls user B. The public network acts on the call rerouteing invocation request from				
Test purpose:	the private network (NT2) and performs rerouteing towards the indicated address (user C).				
	The type of number parameter value for the calledAddress is unknown (0).				
	Possible rerouteing reasons for state N7:				
	unknown				
	cdAlerting				
	• CFNR				
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number (user B has presentation allowed).				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.				
	1 Molett i mossage and release the invoke identifier.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

044007	IODAL (lou i i			
211307	ISDN reference to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
		ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:		ISDN-ISDN/Supplementary_services/CFNR/TC211307			
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point.				
		e user C are in network N1. The user B is in network			
	N2 and is provided with CFNR.				
	Private network settings:	Private network settings:			
	 B User - lastRerouteingN 	lr:			
	– "numberNotAvailabl	eDueToInterworking"			
	B User - subscriptionOpti	ion parameter: notificationWithDivertedToNr			
	C User - presentationAllo	wedIndicator: presentationAllowedIndicator: not			
		ed a DivertingLegInformation3 invoke component			
Test purpose:		twork acts on the call rerouteing invocation request			
		d performs rerouteing towards the indicated address			
	(user C).				
	Possible rerouteing reasons for sta	ate N7:			
	unknown				
	 cdAlerting 				
	• CFNR				
	CFINE				
	Liser A is notified without diverted-	to number of call diversion and user C is not informed			
		e of number parameter value for the called Address is			
	unknown (0).	e of Humber parameter value for the called ladies is			
	dikilowii (o).				
	Ensure that the contents of the in t	the q931InfoElement parameter (BC, LLC, HLC;			
		ess are correctly delivered to the forwarded user. In the			
		oElement parameter and calling party subaddress are			
		essage that established the call reference, the network			
	shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.				
	Ino i Moith i message and releas	o the involve identifier.			
	Ensure that the DivertingLegInformation3 invoke component from the private network of				
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				
	inicosaye.				

211308	ISDN reference to: Other relevant references:			
211300	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5			
	Clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6			
TCC reference.	ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC211308			
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point.			
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR. Private network settings:			
	B User - lastRerouteingNr: "presentationRestrictedNumber"			
	 B User - subscriptionOption parameter: notificationWithout DivertedToNr C User - presentationAllowedIndicator: TRUE (Boolean) 			
	DivertingLegInformation3 invoke component in the FACILITY, ALERTING or CONNECT message			
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).			
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR			
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number.			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.			
Ensure that the DivertingLegInformation3 invoke component from the privathe diverted-to user can be transmitted in the FACILITY, ALERTING or COmessage.				

211309	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5 Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC211309				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.				
	Private network settings: B User - lastRerouteingNr: "presentationAllowedNumber" B User - CLIR B User - subscriptionOption parameter: notificationWithDivertedToNr C User - presentationAllowedIndicator: FALSE (Boolean)				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).				
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).				
	Possible rerouteing reasons for state N7: unknown cdAlerting CFNR				
	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 and user C is not informed of the forwarding number (user B has presentation not allowed).				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility				
	information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

2113010	ISDN reference to:	Other relevant references:				
2113010	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5				
	clause 10.5					
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6				
	ETSLTS 129 163 [40], clause 7.4.6					
TSS reference:		ISDN-ISDN/Supplementary_services/CFNR/TC2113010				
Selection criteria:		ed-to user have a T reference point.				
	Call Rerouteing. The user A and the N2 and is provided with CFNR.	ne user C are in network N1. The user B is in network				
	Private network settings:					
	B User - lastRerouteingN	Nr: "presentationAllowedNumber",				
	B User - subscriptionOp	tion parameter: notificationWithoutDivertedToNr				
	C User - presentationAlle	owedIndicator: presentationAllowedIndicator: not				
		ed a DivertingLegInformation3 invoke component				
Test purpose:		etwork acts on the call rerouteing invocation request				
		nd performs rerouteing towards the indicated address				
	(user C).					
	,	lue for the called address is unknown (0), parameter				
	values for the lastRerouteingNr is					
	values for the last terestonight to	Gillarotti (o).				
	Possible rerouteing reasons for st	rate N7:				
	unknowncdAlertingCFNR					
	er B, the call is forwarded to user C, user A is notified of the diverted-to number and user C is informed of the					
	Ensure that the contents of the in UUS 1) and calling party subaddro	the q931InfoElement parameter (BC, LLC, HLC; ess				
		arded user. In the case when the contents of				
		calling party subaddress are not compatible with the				
	SETUP message that established	I the call reference, the network shall send a Facility				
	information element, with a CallRerouteing return error component in the FACILITY					
	message and release the invoke i					
	Ensure that the DivertingLegInformation3 invoke component from the private network of					
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT					
	message.	THE CONTROL OF THE CO				
	1555%901					

2113011	ISDN reference to:	Other relevant references:			
2113011	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
	clause 10.5	= -:			
TCC reference:	ETSLTS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113011 Forwarding user and the forwarded-to user have a T reference point.				
Selection criteria:					
		ne user C are in network N1. The user B is in network			
	N2 and is provided with CFNR.				
	Public network settings:				
		ased to the diverted-to user: Yes			
	_	diversion: Yes, with diverted-to number			
	Calling user is notified of	diversion. Tes, with diverted-to number			
	Private network settings:				
	B User - lastRerouteingN	Nr: "presentationAllowedNumber"			
	B User - subscriptionOpt	tion parameter: "calling user is notified of diversion"			
	 notificationWithDive 	rtedToNr			
	C User - presentationAllo	owedIndicator: TRUE (Boolean)			
Test purpose:		etwork acts on the call rerouteing invocation request			
	from the private network (NT2) and performs rerouteing towards the indicated address				
	(user C).				
	The type of number parameter value for the called address is unknown (0), parameter				
	values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR				
	5				
	User A is notified of call diversion	with diverted-to number and user C is informed of the			
	forwarding number (user B has pr	esentation allowed).			
	3 1 11 (111 111 111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;				
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the				
	case when the contents of q931InfoElement parameter and calling party subaddress are				
	not compatible with the SETUP message that established the call reference, the network				
	shall send a Facility information element, with a CallRerouteing return error component in				
	the FACILITY message and release the invoke identifier.				
	THO I MODELLI I MODELEGO AND MODELEGO MODILINO.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of				
		nitted in the FACILITY, ALERTING or CONNECT			
	message.	,			
L					

21130112	ISDN reference to: Other relevant references:				
21130112					
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6				
	ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113012				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.				
Selection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.				
	Public network settings				
	Diverting number is released to the diverted-to user: Yes				
	Calling user is notified of diversion: Yes, with diverted-to number				
	Private network settings • B User - lastRerouteingNr: "presentationRestricted"				
	B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr				
	 C User - presentationAllowedIndicator: FALSE (Boolean) C User - COLR 				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).				
	The type of number parameter value for the called address is unknown (0).				
	Possible rerouteing reasons for state N7:				
	• unknown				
	cdAlertingCFNR				
	User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number (user B has presentation allowed).				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

2113013	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6			
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113013				
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR. Public network settings Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number				
	B User - subscriptionOpti C User - presentationAllo available, has not receive	eDueToInterworking" on parameter: notificationWithDivertedToNr wedIndicator: presentationAllowedIndicator: not d a DivertingLegInformation3 invoke component.			
Test purpose:	User A calls user B. The public net from the private network (NT2) and (user C). The type of number parameter value Possible rerouteing reasons for state unknown cdAlerting CFNR User A is notified without diverted of the forwarding number. The parameter that the contents of the intus 1) and calling party subaddre are correctly delivered to the forward q931InfoElement parameter and calling that established	twork acts on the call rerouteing invocation request diperforms rerouteing towards the indicated address are for the called address is unknown (0). In the N7: It is not informed ameter value for the called address is unknown (0). The q931InfoElement parameter (BC, LLC, HLC; as included user. In the case when the contents of alling party subaddress are not compatible with the the call reference, the network shall send a Facility routeing return error component in the FACILITY			
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.				

2113014	ICDN reference to:	Other relevant references			
2113014	ISDN reference to:	Other relevant references:			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
	ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113014				
ISDN selection criteria:	Forwarding user and the forwarded-to user have a T reference point.				
	Call Rerouteing. The user A and the	e user C are in network N1. The user B is in network			
	N2 and is provided with CFNR.				
	Public network settings				
		sed to the diverted-to user: Yes			
	<u> </u>	diversion: Yes, with diverted-to number			
	Calling ascr is notified of	diversion. 163, with diverted to humber			
	Private network settings				
		r: "presentationRestrictedNumber",			
		on parameter: notificationWithout DivertedToNr			
		wedIndicator: TRUE (Boolean)			
Test purpose:		work acts on the call rerouteing invocation request			
	from the private network (NT2) and performs rerouteing towards the indicated address				
	(user C).				
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).				
	Possible rerouteing reasons for state N7:				
	• unknown				
	cdAlerting				
		• CFNR			
	o or the				
	Lloor A is notified of call diversion a	without diverted-to number and user C is not informed			
		without diverted-to humber and user C is not informed			
	of the forwarding number.				
	Engure that the contents of the in t	ha a024 Infa Flament narameter (DC 11 C 11 C)			
		he q931InfoElement parameter (BC, LLC, HLC;			
		ss are correctly delivered to the forwarded user. In the			
	case when the contents of q931InfoElement parameter and calling party subaddress are				
	not compatible with the SETUP message that established the call reference				
		ement, with a CallRerouteing return error component in			
	the FACILITY message and releas	e the invoke identifier.			
		nation3 invoke component from the private network of			
	the diverted-to user can be transm	itted in the FACILITY, ALERTING or CONNECT			
	message.				
	-				

2113015	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6		
	0.000 10.0	ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113015			
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.			
	<u> </u>	sed to the diverted-to user: Yes diversion: Yes, with diverted-to number		
	B User - CLIRB User - subscriptionOpt	Ir: "presentationAllowedNumber", ion parameter: notificationWithDivertedToNr		
		owedIndicator: FALSE (Boolean)		
Test purpose:	from the private network (NT2) and (user C).	twork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address ue for the called address is unknown (0), parameter unknown (0).		
	Possible rerouteing reasons for state N7:			
	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 and user C is not informed of the forwarding number (user B has presentation not allowed).			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.			
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.			

2113016	ISDN reference to: Other relevant references:				
2113010	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5				
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6				
	ETSI TS 129 163 [40], clause 7.4.6				
TCC reference:					
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113016				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.				
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network				
	N2 and is provided with CFNR.				
	Public network settings				
	Diverting number is released to the diverted-to user: No				
	Calling user is notified of diversion: Yes, with diverted-to number				
	Private network settings				
	B User - lastRerouteingNr: "presentationAllowedNumber",				
	B User - subscriptionOption parameter: notificationWithoutDivertedToNr User - presentation Allowed the diseaser presentation Allowed the diseaser parameter.				
	C User - presentationAllowedIndicator: presentationAllowedIndicator: not cyclichle, her not received a Divertinal against received a privation of the component.				
To at my um and a	available, has not received a DivertingLegInformation3 invoke component				
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request				
	from the private network (NT2) and performs rerouteing towards the indicated address (user C).				
	(user C).				
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).				
	Possible rerouteing reasons for state N7:				
	• unknown				
	cdAlertingCFNR				
	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 and user C is informed of the forwarding number.				
	Engure that the contents of the in the g031InfoElement parameter (BC LLC LLC)				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the				
	case when the contents of q931InfoElement parameter and calling party subaddress are				
	not compatible with the SETUP message that established the call reference, the network				
	shall send a Facility information element, with a CallRerouteing return error component in				
	the FACILITY message and release the invoke identifier.				
	and the second of the second o				
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
	message.				

2113017	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113017			
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Call Rerouteing. 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	sed to the diverted-to user: No diversion: Yes, without diverted-to number		
	B User - subscriptionOpt	Ir: "presentationRestricted", ion parameter: notificationWithDivertedToNr		
	 C User - presentationAllo 	owedIndicator: TRUE (Boolean)		
Test purpose:		twork acts on the call rerouteing invocation request d performs rerouteing towards the indicated address		
	The type of number parameter val values for the lastRerouteingNr is	ue for the called address is unknown (0), parameter unknown (0).		
	Possible rerouteing reasons for sta	ate N7:		
	cdAlertingCFNR			
	r B, the call is forwarded to user C, user A is notified of the diverted-to number and user C is informed of the			
	UUS 1) and calling party subaddre case when the contents of q931Int not compatible with the SETUP me	the q931InfoElement parameter (BC, LLC, HLC; ess are correctly delivered to the forwarded user. In the foElement parameter and calling party subaddress are essage that established the call reference, the network ement, with a CallRerouteing return error component in se the invoke identifier.		
		nation3 invoke component from the private network of litted in the FACILITY, ALERTING or CONNECT		

2113018	ISDN reference to:	Other relevant references:			
2113016	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5			
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6			
	clause 10.5				
T00 (ETSLTS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113018 Forwarding user and the forwarded-to user have a T reference point.				
Selection criteria:					
		he user C are in network N1. The user B is in network			
	N2 and is provided with CFNR.				
	Dudalia materialia antima				
	Public network settings	to de la constant			
		ased to the diverted-to user: No			
	 Calling user is notified of 	f diversion: No			
	Private network settings				
		Nr: "numberNotAvailableDueToInterworking"			
	·	tion parameter: notificationWithDivertedToNr			
		owedIndicator: TRUE (Boolean)			
Test purpose:	User A calls user B. The public no	etwork acts on the call rerouteing invocation request			
	from the private network (NT2) ar	nd performs rerouteing towards the indicated address			
	(user C).				
	The type of number parameter value for the called address is unknown (0), parameter				
	values for the lastRerouteingNr is	unknown (0).			
	Possible rerouteing reasons for state N7:				
	unknown				
	cdAlerting				
	• CFNR				
	Ensure that when user A calls use	er B, the call is forwarded to user C, user A is not			
	notified of call diversion and user C is not informed of the forwarding number.				
		3			
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;				
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the				
	case when the contents of q931InfoElement parameter and calling party subaddress are				
	not compatible with the SETUP message that established the call reference, the network				
	shall send a Facility information element, with a CallRerouteing return error component in				
	the FACILITY message and release the invoke identifier.				
	THE I ACILITY THESSAYE AND TELEASE THE INVOKE IDENTIFIED.				
	Ensure that the DivertingLegInformation3 invoke component from the private network of				
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
	message.	III.CO III IIIO I MOIEITT, MEERTINO OI OOMNEOT			
	inicocago.				

0440040	ICDN reference to				
2113019	ISDN reference to: Other relevant references:				
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5				
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6				
	ETSI TS 129 163 [40], clause 7.4.6				
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113019				
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point.				
	Call Rerouteing. The user A and the user C are in network N1. The user B is in network				
	N2 and is provided with CFNR.				
	Public network settings				
	Diverting number is released to the diverted-to user: No				
	Calling user is notified of diversion: No				
	3 3				
	Private network settings				
	B User - lastRerouteingNr: "presentationRestrictedNumber"				
	B User - subscriptionOption parameter: notificationWithDivertedToNr				
	C User - presentationAllowedIndicator: FALSE (Boolean)				
	C User - Presentation Allowed Indicator. FALSE (Boolean) C User - COLR				
Toot numpees	User A calls user B. The public network acts on the call rerouteing invocation request				
Test purpose:					
	from the private network (NT2) and performs rerouteing towards the indicated address				
	(user C).				
	The time of number parameter value for the called address is unknown (0) parameter				
	The type of number parameter value for the called address is unknown (0), parameter				
	values for the lastRerouteingNr is unknown (0).				
	Describle respectation assessed for state NIZ				
	Possible rerouteing reasons for state N7:				
	• unknown				
	cdAlerting				
	CFNR				
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not				
	notified of call diversion and user C is not informed of the forwarding number.				
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;				
	UUS 1) and calling party subaddress Aare correctly delivered to the forwarded user. In				
	the case when the contents of q931InfoElement parameter and calling party subaddress				
	are not compatible with the SETUP message that established the call reference, the				
	network shall send a Facility information element, with a CallRerouteing return error				
	component in the FACILITY message and release the invoke identifier.				
	Total Control of the				
	Ensure that the DivertingLegInformation3 invoke component from the private network of				
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
	message.				
L					

Table 28: Overview of Call Rerouteing parameters in the test cases 2113020 to 2113024 for End-to End tests when the forwarding user has a T reference point, the diverted-to user the S/T Interface; public network user subscription options is not implemented

Test case	2113020	2113021	2113022	2113023	2113024
Diverted-to user information parameters (User C)					
B User - lastRerouteingNr: "presentationAllowedNumber"	√				V
B User - lastRerouteingNr: "presentationRestricted"		√			
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"			√		
B User - lastRerouteingNr: "presentationRestrictedNumber				√	
CLIR User B					V
Calling user information parameters (User A)					
B User - subscriptionOption parameter:		√		√	V
"calling user is notified of diversion" notificationWithDivertedToNr					
B User - subscriptionOption parameter:					
"calling user is notified of diversion" notificationWithoutDivertedToNr					
COLR user C		√ √			

Table 29: Overview of Call Rerouteing.parameters in the test cases 2113025 to 2113032 for End-to End tests when the forwarding user has a T reference point, the diverted-to user the S/T Interface; Public network user subscription options is implemented (network option)

Test case	2113025	2113026	2113027	2113028	2113029	2113030	2113031	2113032
Diverted-to user information parameters (User C)								
Subscription option: Diverting number is released to the diverted-to user: Yes	√	√	1	1	1			
Subscription option:Diverting number is released to the diverted-to user: No							V	$\sqrt{}$
B User - lastRerouteingNr: "presentationAllowedNumber"	√				1			
B User - lastRerouteingNr: "presentationRestricted"		√					V	
B User - lastRerouteingNr: "numberNotAvailableDueToInterworking"								√
B User - lastRerouteingNr: "presentationRestrictedNumber				√				
CLIR User B					√			
Calling user information parameters (User A)								
Subscription option: Calling user is notified of diversion: Yes, with diverted-to		√	√					
number								
Subscription option: Calling user is notified of diversion: Yes, without diverted-to				√	√			
number								
Subscription option:Calling user is notified of diversion: No						√		$\sqrt{}$
B User - subscriptionOption parameter:	√	√		√		√		
"calling user is notified of diversion" notificationWithDivertedToNr								
B User - subscriptionOption parameter:			$\sqrt{}$					$\sqrt{}$
"calling user is notified of diversion" notificationWithoutDivertedToNr								
COLR user C		√						

2113020	ISDN reference to: Other relevant references: ETSI EN 300 207-1 [12], Clause 10.5 ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113020		
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.		
	Private network settings • B User - lastRerouteingNr: "presentationAllowedNumber" • B User - subscriptionOption parameter: "calling user is notified of diversion" — notificationWithDivertedToNr		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR		
	User A is notified of call diversion with diverted-to number and user C is informed of the forwarding number (user B has presentation allowed).		
Ensure that the contents of the in the q931InfoElement parameter (BC, LI UUS 1) and calling party subaddress are correctly delivered to the forward case when the contents of q931InfoElement parameter and calling party so not compatible with the SETUP message that established the call referent shall send a Facility information element, with a CallRerouteing return error the FACILITY message and release the invoke identifier.			
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

ISDN reference to: Other relevant references:		
ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5		
clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6		
ETSI TS 129 163 [40], clause 7.4.6 ISDN-ISDN/Supplementary_services/CFNR/TC2113021		
Forwarding user has a T reference point, the diverted-to user the S/T Interface.		
Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.		
Private network settings		
B User - lastRerouteingNr: "presentationRestricted"		
 B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr 		
 C User - presentationAllowedIndicator: TRUE (Boolean) C User - COLR 		
User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).		
The type of number parameter value for the called address is unknown (0).		
Possible rerouteing reasons for state N7: • unknown		
unknowncdAlerting		
• CFNR		
User A is notified of call diversion without diverted-to Number and user C is not informed of the forwarding number.		
Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.		
Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2113022	ISDN reference to: Other relevant references: ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5 clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113022	
ISDN selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.	
	Private network settings • B User - lastRerouteingNr:	
	 "numberNotAvailableDueToInterworking" B User - subscriptionOption parameter: notificationWithDivertedToNr rerouteing 	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).	
	Possible rerouteing reasons for state N7: unknown cdAlerting CFNR	
	User A is notified without diverted-to number of call diversion and user C is not informed of the forwarding number. The type of number parameter value for the called address is unknown (0).	
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.	

2113023	ISDN reference to:	Other relevant references:	
2113023			
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
		ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_service		
ISDN selection criteria:		point, the diverted-to user the S/T Interface.	
	Call Rerouteing. The user A and the	e user C are in network N1. The user B is in network	
	N2 and is provided with CFNR.		
	Private network settings		
	 B User - lastRerouteingN 	r: "presentationRestrictedNumber",	
		on parameter: notificationWithout DivertedToNr	
Test purpose:	User A calls user B. The public net	work acts on the call rerouteing invocation request diperforms rerouteing towards the indicated address	
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).		
	Possible rerouteing reasons for state N7:		
	 unknown 		
	cdAlerting		
	CFNR		
	User A is notified of call diversion value forwarding number.	with diverted-to number and user C is not informed of	
	UUS 1) and calling party subaddrescase when the contents of q931Infonot compatible with the SETUP me	the q931InfoElement parameter (BC, LLC, HLC; ss are correctly delivered to the forwarded user. In the oElement parameter and calling party subaddress are essage that established the call reference, the network ement, with a CallRerouteing return error component in e the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private neethed the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNE message.		

2113024	ISDN reference to:	ther relevant references:	
2113024			
		TSI TS 183 036 [42], clause 5.2.5	
		ecommendation ITU-T Q.1912.5 [35], annex B.6	
T00 t		TSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_services/		
Selection criteria:		pint, the diverted-to user the S/T Interface.	
		ser C are in network N1. The user B is in network	
	N2 and is provided with CFNR.		
	Private network settings		
	•	presentationAllowedNumber",	
	B User - CLIR	presentation/liowedivariber,	
		parameter: notificationWithDivertedToNr	
Toot purpose:		ork acts on the call rerouteing invocation request	
Test purpose:	from the private network (NT2) and pe	erforms rerouteing towards the indicated address	
	(user C).		
	The type of number parameter value f	for the called address is unknown (0), parameter	
	values for the lastRerouteingNr is unk		
	Possible rerouteing reasons for state	N7:	
	 unknown cdAlerting CFNR 		
	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 dive forwarding number (user B has present	erted-to number and user C is not informed of the ntation not allowed).	
	3 1 11 (111	,	
	Ensure that the contents of the in the UUS 1) and calling party subaddress	q931InfoElement parameter (BC, LLC, HLC;	
		ed user. In the case when the contents of	
		ng party subaddress are not compatible with the	
	SETUP message that established the	e call reference, the network shall send a Facility	
	information element, with a CallRerouteing return error component in the FACILIT message and release the invoke identifier.		
	English of the Discontinual and the Co	in Oireache annual and from the minute.	
	the diverted-to user can be transmitted	ion3 invoke component from the private network of d in the FACILITY, ALERTING or CONNECT	
	message.		

2113025	ISDN reference to: Other relevant references:
2113023	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113025
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.
	Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.
	Public network settings
	Diverting number is released to the diverted-to user: Yes
	Calling user is notified of diversion: Yes, with diverted-to number
	Private network settings
	B User - lastRerouteingNr: "presentationAllowedNumber"
	 B User - subscriptionOption parameter: "calling user is notified of diversion" notificationWithDivertedToNr
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C).
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).
	Possible rerouteing reasons for state N7:
	• unknown
	• cdAlerting
	CFNR
	User A is notified of call diversion with diverted-to number and user C is informed of the forwarding number (user B has presentation allowed).
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.

2113026	ISDN reference to: Other relevant references:		
2113026			
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6		
	ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113026		
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.		
Selection chiena.	Call Rerouteing. The user A and the user C are in network N1. The user B is in network		
	N2 and is provided with CFNR.		
	inz and is provided with Crink.		
	Public network settings		
	Diverting number is released to the diverted-to user: Yes		
	Calling user is notified of diversion: Yes, with diverted-to number		
	• Calling user is notified of diversion. Tes, with diverted-to number		
	Private network settings		
	B User - lastRerouteingNr: "presentationRestricted"		
	B User - subscriptionOption parameter: "calling user is notified of diversion"		
	notificationWithDivertedToNr		
	C User - presentationAllowedIndicator: TRUE (Boolean)		
	C User - COLR		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request		
rest purpose.	from the private network (NT2) and performs rerouteing towards the indicated address		
	(user C).		
	(4001-0).		
	The type of number parameter value for the called address is unknown (0).		
	Possible rerouteing reasons for state N7:		
	• unknown		
	cdAlerting		
	CFNR		
	User A is notified of call diversion without diverted-to number and user C is not informed		
	of the forwarding number (user B has presentation allowed).		
	5 4 44 4 4 4 1 4 204 (5)		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;		
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the		
	case when the contents of q931InfoElement parameter and calling party subaddress are		
	not compatible with the SETUP message that established the call reference, the network		
	shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.		
	une PACILIT I message and release the invoke identifier.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of		
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		
	message.		
	Imaaaga.		

2442027	ISDN reference to: Other relevant references:		
2113027			
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6		
TCC votovonos:	ETSI TS 129 163 [40], clause 7.4.6		
TSS reference: ISDN selection criteria:	ISDN-ISDN/Supplementary_services/CFNR/TC2113027		
ISDN selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.		
	Public network settings		
	Diverting number is released to the diverted-to user: Yes		
	•		
	Calling user is notified of diversion: Yes, with diverted-to number		
	Private network settings		
	B User - lastRerouteingNr:		
	- "numberNotAvailableDueToInterworking"		
	B User - subscriptionOption parameter: notificationWithDivertedToNr		
	rerouteing		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request		
l'est puipose.	from the private network (NT2) and performs rerouteing towards the indicated address		
	(user C).		
	The type of number parameter value for the called address is unknown (0).		
	Possible rerouteing reasons for state N7:		
	• unknown		
	• cdAlerting		
	• CFNR		
	GUINK		
	User A is notified without diverted-to number of call diversion and user C is not informed of the forwarding number.		
	The parameter value for the called address is unknown (0)		
	The parameter value for the called address is unknown (0).		
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC;		
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the		
	case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network		
	shall send a Facility information element, with a CallRerouteing return error component in		
	the FACILITY message and release the invoke identifier.		
	THE I ACILITY THESSAGE AND TELEASE THE INVOKE IDENTIFIED.		
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

ETSI EN 300 207-1 [12], clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6 ETSI	2113028	ISDN reference to:	Other relevant references:	
clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6 TSS reference: ISDN-ISDN/Supplementary_services/CFNR/TC2113028 ISDN selection criteria: Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR. Public network settings Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number Private network settings Buser - lastRerouteingNr: "presentationRestrictedNumber", Buser - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT	2110020			
ETSI TS 129 163 [40], clause 7.4.6				
TSS reference: ISDN-ISDN/Supplementary_services/CFNR/TC2113028 ISDN selection criteria: Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR. Public network settings Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number Private network settings B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931 InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		10.0		
ISDN selection criteria: Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR. Public network settings • Diverting number is released to the diverted-to user: Yes • Calling user is notified of diversion: Yes, with diverted-to number Private network settings • B User - lastRerouteingNr: "presentationRestrictedNumber", • B User - subscriptionOption parameter: notificationWithout DivertedToNr Test purpose: User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: • unknown • cdAlerting • CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT	TSS reference:	ISDN-ISDN/Supplementary service		
Call Rerouteing. The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR. Public network settings • Diverting number is released to the diverted-to user: Yes • Calling user is notified of diversion: Yes, with diverted-to number Private network settings • B User - lastRerouteingNr: "presentationRestrictedNumber", • B User - subscriptionOption parameter: notificationWithout DivertedToNr Test purpose: User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: • unknown • cdAlerting • CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
N2 and is provided with CFNR. Public network settings Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number Private network settings Buser - lastRerouteingNr: "presentationRestrictedNumber", Buser - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT	TODIY GOICGION CINCINA.			
Public network settings			o door o dro in notwork ivi. The door b to in notwork	
Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number Private network settings Buser - lastRerouteingNr: "presentationRestrictedNumber", Buser - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		The and to provided with or this.		
Diverting number is released to the diverted-to user: Yes Calling user is notified of diversion: Yes, with diverted-to number Private network settings Buser - lastRerouteingNr: "presentationRestrictedNumber", Buser - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		Public network settings		
Calling user is notified of diversion: Yes, with diverted-to number Private network settings B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		•	sed to the diverted-to user: Yes	
Private network settings B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		<u> </u>		
B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT			arvordion. 100, with arvorted to mamber	
B User - lastRerouteingNr: "presentationRestrictedNumber", B User - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		Private network settings		
B User - subscriptionOption parameter: notificationWithout DivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT			r: "presentationRestrictedNumber".	
User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		I -	·	
from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT	Test purpose:			
(user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT			g	
values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		(
values for the lastRerouteingNr is unknown (0). Possible rerouteing reasons for state N7: unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		The type of number parameter value	ue for the called address is unknown (0), parameter	
 unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		values for the lastRerouteingNr is unknown (0).		
 unknown cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
 cdAlerting CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT 				
 CFNR User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT 		 unknown 		
User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		 cdAlerting 		
User A is notified of call diversion without diverted-to number and user C is not informed of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
of the forwarding number. Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		User A is notified of call diversion v	without diverted-to number and user C is not informed	
Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		of the forwarding number.		
UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		Ensure that the contents of the in t	he q931InfoElement parameter (BC, LLC, HLC;	
not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		UUS 1) and calling party subaddre	ss are correctly delivered to the forwarded user. In the	
shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		case when the contents of q931Inf	oElement parameter and calling party subaddress are	
the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		shall send a Facility information ele	ement, with a CallRerouteing return error component in	
the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		the FACILITY message and release the invoke identifier. Ensure that the DivertingLegInformation3 invoke component from the private network of		
the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT				
, and the second se				
message.			itted in the FACILITY, ALERTING or CONNECT	
		message.		

2113029	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation TQ-T Q.1912.5 [35], annex B.6	
T00 (ETSI TS 129 163 [40], clause 7.4.6		
TSS reference: Selection criteria:	ISDN-ISDN/Supplementary_services/CFNR/TC2113029 Forwarding user has a T reference point, the diverted-to user the S/T Interface. Call Rerouteing. 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 notifie	eleased to the diverted-to user: Yes d of diversion: Yes, without diverted-to number	
	B User - CLIR	ingNr:"presentationAllowedNumber", nOption parameter: notificationWithoutDivertedToNr	
Test purpose:			
	The type of number paramete values for the lastRerouteingN	r value for the called address is unknown (0), parameter Ir is unknown (0).	
	Possible rerouteing reasons for state N7:		
Ensure that when user A calls user B, the call is forwarded to use call diversion and not informed of the diverted-to number and use the forwarding number (user B has presentation not allowed).		d of the diverted-to number and user C is not informed of	
	UUS 1) and calling party suba are correctly delivered to the f q931InfoElement parameter a SETUP message that establis	orwarded user. In the case when the contents of nd calling party subaddress are not compatible with the hed the call reference, the network shall send a Facility allRerouteing return error component in the FACILITY	
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.		

2113030	ISDN reference to:	Other relevant references:	
2113030	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6	
	clause 10.5	ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_ser		
Selection criteria:		nce point, the diverted-to user the S/T Interface.	
		the user C are in network N1. The user B is in network	
	N2 and is provided with CFNR.		
	Dublic network pattings		
	Public network settings	and to the discorted to seem No	
		eased to the diverted-to user: No	
	Calling user is notified	of diversion: No	
	Drivete network eettings		
	Private network settings	aNr. "procentation Allowed Number"	
		gNr: "presentationAllowedNumber",	
	B User - CLIR B User - cube a righting C	Notice a second of the discalling with a discalling and the discalling	
T4		Option parameter: notificationWithoutDivertedToNr	
Test purpose:		network acts on the call rerouteing invocation request	
	from the private network (NT2) and performs rerouteing towards the indicated address		
	(user C).		
	The time of number newspapers	value for the collect address is university (0) in a remarker	
	The type of number parameter value for the called address is unknown (0), param values for the lastRerouteingNr is unknown (0).		
	Possible rerouteing reasons for	state N7:	
	unknown		
	 cdAlerting 		
	CFNR		
	Ensure that when user A calls u	ser B, the call is forwarded to user C, user A is not	
	notified of call diversion and use	er C is informed of the forwarding number.	
		in the q931InfoElement parameter (BC, LLC, HLC;	
	UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the		
	case when the contents of q931InfoElement parameter and calling party subaddress are		
	not compatible with the SETUP message that established the call reference, the network		
		element, with a CallRerouteing return error component in	
	the FACILITY message and rele	ease the invoke identifier.	
	Ensure that the DivertingLegInformation3 invoke component from the private network of		
	the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT		
	message.		
			

2113031	ISDN reference to: Other relevant references:
2113031	
	ETSI EN 300 207-1 [12], ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113031
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.
	Call Rerouteing.The user A and the user C are in network N1. The user B is in network N2 and is provided with CFNR.
	Public network settings
	Diverting number is released to the diverted-to user: No
	Calling user is notified of diversion: No
	• Calling user is notified of diversion. No
	Private network settings
	B User - lastRerouteingNr: "presentationRestricted",
	· ·
Toot numacou	B User - subscriptionOption parameter: notificationWithDivertedToNr User A calls user B. The public network acts on the call rerouteing invocation request
Test purpose:	from the private network (NT2) and performs rerouteing towards the indicated address
	(user C).
	The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).
	Possible rerouteing reasons for state N7:
	• cdAlerting
	CFNR
	Ensure that when user A calls user B, the call is forwarded to user C, user A is not notified of call diversion and user C is not informed of the forwarding number.
	Ensure that the contents of the in the q931InfoElement parameter (BC, LLC, HLC; UUS 1) and calling party subaddress are correctly delivered to the forwarded user. In the case when the contents of q931InfoElement parameter and calling party subaddress are not compatible with the SETUP message that established the call reference, the network shall send a Facility information element, with a CallRerouteing return error component in the FACILITY message and release the invoke identifier.
	Ensure that the DivertingLegInformation3 invoke component from the private network of the diverted-to user can be transmitted in the FACILITY, ALERTING or CONNECT message.

2113032	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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:		e point, the diverted-to user the S/T Interface. ne user C are in network N1. The user B is in network
	Public network settings	Lead Brook Lead
	Diverting number is releaCalling user is notified of	ased to the diverted-to user: No diversion: No
	B User - subscriptionOpt	Nr: "numberNotAvailableDueToInterworking", tion parameter: notificationWithoutDivertedToNr
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). The type of number parameter value for the called address is unknown (0), parameter values for the lastRerouteingNr is unknown (0).	
	Possible rerouteing reasons for state N7:	
	• unknown	
	cdAlertingCFNR	
		er B, the call is forwarded to user C, user A is not C is not informed of the forwarding number.
	UUS 1) and calling party subaddre case when the contents of q931In not compatible with the SETUP m	the q931InfoElement parameter (BC, LLC, HLC; ess are correctly delivered to the forwarded user. In the foElement parameter and calling party subaddress are essage that established the call reference, the network lement, with a CallRerouteing return error component in se the invoke identifier.
		mation3 invoke component from the private network of nitted in the FACILITY, ALERTING or CONNECT

2113033		Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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/TC2113033
Selection criteria:	Call Rerouteing.	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case if diversionCounter exceed the allowed size of multiple forwardings the call is released.	
ISDN parameter values:		
Comments:		

2113034	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113034	
Selection criteria:	Call Rerouteing.	
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case when the user C in busy, the call is released correctly.	
ISDN parameter values:		
Comments:		

2113035	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servi	
Selection criteria:		ed-to user have a T reference point.
		m a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party numl 	per
	 Called Party numb 	er
	 B User - divertingN 	r: "presentationAllowedNumber"
		onAllowedIndicator: TRUE (Boolean)
Test purpose:	User A calls user B. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number PIXIT parame	eter values for the divertingNr are defined in Table 30.
	User C is informed of the forward	ing number (user B has presentation allowed).
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

Table 30: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr	
1	unknown (0)	
2	internationalNumber (1)	
3	nationalNumber (2)	
4	networkSpecificNumber (3)	
5	subscriberNumber (4)	
6	abbreviatedNumber (6)	

2113036	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_serv		
Selection criteria:	Forwarding user and the forwarded-to user have a T reference point. Presentation of a diverted call from a private ISDN to the public ISDN Private network settings • SETUP • Calling Party number • Called Party number • B User - divertingNr: "presentationAllowedNumber" • B User - originalCalledNr: "presentationAllowedNumber" • C User - presentationAllowedIndicator: TRUE (Boolean)		
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN. The type of number PIXIT parameter values for the divertingNr and originalCalledNr are defined in Table 31.		
	User C is informed of the forward	User C is informed of the forwarding number.	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke compone that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.		

Table 31: Type of number PIXIT Values: divertingNr and originalCalledNr

PIXIT VALUE	divertingNr	originalCalledNr
1	unknown (0)	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE: All combinations implied.		

2113037	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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/CFNR/TC2113037
Selection criteria:	Forwarding user and the forwarded	d-to user have a T reference point.
	Presentation of a diverted call from	n a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party numb 	er
	 Called Party number 	er
	 B User - divertingNr. 	: "presentationRestricted"
	 C User - presentationAllowedIndicator: TRUE (Boolean) 	
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	User C is not informed of the forwarding number.	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

0440000	IODNI	04
2113038	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_servi	
Selection criteria:		ed-to user have a T reference point.
	Presentation of a diverted call fror	m a private ISDN to the public ISDN
	Private network settings	
	• SETUP	
	 Calling Party number 	per
	 Called Party numb 	er
	-	r:"numberNotAvailableDueToInterworking"
		onAllowedIndicator: TRUE (Boolean)
Test purpose:	User B calls user C. User C presents the diverted call from a private ISDN to the public ISDN.	
	The type of number parameter value for the - divertingNr is unknown (0).	
	User C is not informed of the forwarding number. Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing a DiversionLegInformation2 invoke component in the Facility information element, continues normal call handling and returns a DivertingLegInformation3 invoke component that indicates in the presentationAllowedIndicator parameter if presentation of the diverted-to user's ISDN number to the calling user is allowed in the Facility information element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in state N02, N03 or N04) message.	

2113039	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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:		d-to user have a T reference point.
	Presentation of a diverted call from	n a private ISDN to the public ISDN
	Private network settings	·
	SETUP	
	 Calling Party numb 	er
	 Called Party number 	
	 B User - divertingNr. 	: "presentationRestricted"
		nAllowedIndicator: FALSE (Boolean)
Test purpose:	Forwarding user and the forwarded-to user have a T reference point.	
, ,	User B calls user C. User C presents the diverted call from a private ISDN to the	
	public ISDN.	
	The type of number parameter val-	ue for the - divertingNr is unknown (0).
	User C is not informed of the forwarding number.	
	Ensure that the IUT in the Null call state N00, on receipt of a SETUP message containing	
	a DiversionLegInformation2 invoke component in the Facility information element,	
	continues normal call handling and returns a DivertingLegInformation3 invoke component	
	that indicates in the presentationAllowedIndicator parameter if presentation of the	
	diverted-to user's ISDN number to the calling user is allowed in the Facility information	
	element of either a FACILITY, ALERTING (in call state N02 or N03) or CONNECT (in	
	state N02, N03 or N04) message.	

2113040	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5		
	clause 10.4	Recommendation ITU-T Q.1912.5 [35], annex B.6		
		ETSI TS 129 163 [40], clause 7.4.6		
TSS reference:	ISDN-ISDN/Supplementary_s	services/CFNR/TC211340		
Selection criteria:	Forwarding user has a T refe	rence point, the diverted-to user the S/T Interface.		
	Presentation of a diverted cal	I from a private ISDN to the public ISDN		
	Private network settings			
	SETUP			
	 Calling Party n 	Calling Party number		
	Called Party number			
	 B User - diverti 	ngNr: "presentationAllowedNumber"		
Test purpose:	User B calls user C. User B p	resents the diverted call from a private ISDN to the		
	public ISDN.	•		
	The type of number PIXIT pa	rameter values for the divertingNr are defined in Table 32.		
	User C is informed of the forv	User C is informed of the forwarding number (user B has presentation allowed).		

Table 32: Type of number PIXIT Values: divertingNr

PIXIT VALUE	divertingNr
1	unknown (0)
2	internationalNumber (1)
3	nationalNumber (2)
4	networkSpecificNumber (3)
5	subscriberNumber (4)
6	abbreviatedNumber (6)

2113041	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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/CFNR/TC2113041
Selection criteria:	Forwarding user has a T refer	ence point, the diverted-to user the S/T Interface.
		from a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party no 	umber
	 Called Party nu 	mber
	 B User - divertir 	ngNr: "presentationAllowedNumber"
	B User - origina	iCalledNr: "presentationAllowedNumber"
Test purpose:	User B calls user C. User B pr	resents the diverted call from a private ISDN to the
	public ISDN.	
		ameter values for the divertingNr and originalCalledNr are
	defined in Table 33.	
	Llaar C is informed of the form	ording number
	User C is informed of the forw	arding number.

Table 33: Type of number PIXIT Values: divertingNr and originalCalledNr

PIXIT VALUE	divertingNr	originalCalledNr
1	unknown (0)	unknown (0)
2	internationalNumber (1)	internationalNumber (1)
3	nationalNumber (2)	nationalNumber (2)
4	networkSpecificNumber (3)	networkSpecificNumber (3)
5	subscriberNumber (4)	subscriberNumber (4)
6	abbreviatedNumber (6)	abbreviatedNumber (6)
NOTE: All combinations implied.		

2113042	ISDN reference to: ETSI EN 300 207-1 [12], clause 10.4	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation ITU-T Q.1912.5 [35], annex B.6
	siddos rorr	ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_se	ervices/CFNR/TC2113042
Selection criteria:	Forwarding user has a T refere	ence point, the diverted-to user the S/T Interface.
	Presentation of a diverted call t	from a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party nu 	mber
	 Called Party nur 	mber
	 B User - diverting 	gNr: "presentationRestricted"
Test purpose:	User A calls user B. User B pre public ISDN.	esents the diverted call from a private ISDN to the
	The type of number parameter	value for the - divertingNr is unknown (0).
	User C is not informed of the fo	orwarding number.

2113043	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5	
	clause 10.4	Recommendation 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/CFNR/TC2113043	
Selection criteria:	Forwarding user has a T reference point, the diverted-to user the S/T Interface.		
	Presentation of a diverted call from Private network settings • SETUP	n a private ISDN to the public ISDN	
		_	
	Calling Party number Called Party numbers		
	Called Party number		
		"numberNotAvailableDueToInterworkin"	
Test purpose:	User A calls user B. User B presents the diverted call from a private ISDN to the		
	public ISDN.		
	The type of number parameter value for the - divertingNr is unknown (0).		
	User C is not informed of the forwarding number.		

2113044	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clause 10.4	Recommendation 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/TC2111044
Selection criteria:	Forwarding user has a T reference	point, the diverted-to user the S/T Interface.
		a private ISDN to the public ISDN
	Private network settings	
	SETUP	
	 Calling Party number 	r
	 Called Party number 	
		"presentationRestricted"
Test purpose:	User A calls user B. User B preser public ISDN.	nts the diverted call from a private ISDN to the
	The type of number parameter value	ue for the - divertingNr is unknown (0).
	User C is not informed of the forward	arding number.

2113045	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation 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/TC2113045
Selection criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case if diversionCounter exceed the allowed size of multiple forwardings the call is released.	
ISDN parameter values:	CFNR - partial rerouteing	
Comments:		

2113046	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12],	ETSI TS 183 036 [42], clause 5.2.5
	clause 10.5	Recommendation ITU-T Q.1912.5 [35], annex B.6
		ETSI TS 129 163 [40], clause 7.4.6
TSS reference:	ISDN-ISDN/Supplementary_services/CFNR/TC2113046	
Selection criteria:		
Test purpose:	User A calls user B. The public network acts on the call rerouteing invocation request from the private network (NT2) and performs rerouteing towards the indicated address (user C). Ensure that in the case when the user C in busy, the call is released correctly.	
ISDN parameter values:	CFNR - partial rerouteing	
Comments:		

6.2.2.14 CD

211401	ISDN reference to:	Other relevant references:	
	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	Recommendation 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/211401	
Selection criteria:	CD; Network provider option "serv "clear call on invocation".	CD; Network provider option "served user call retention on invocation of diversion" is "clear call on invocation".	
		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 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 reference to:	Other relevant references:
	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	Recommendation 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/211402
Selection criteria:	CD; Network provider option "serve	ed user call retention on invocation of diversion" is
	"clear call on invocation".	
	The user A and the user C are in n	etwork N1. The user B is in network N2 and is provided
	with CD ("calling user is notified of number is released to the diverted-	call diversion" = No, with diverted-to number, "diverting 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 reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:	"clear call on invocation". The user A and the user C are in n	ed user call retention on invocation of diversion" is 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 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:		

211101	ICDN reference to:	Other relevant references
211404	ISDN reference to:	Other relevant references:
	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	Recommendation 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/211404
Selection criteria:	CD; Network provider option "serv	ved 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 o	f call diversion" = Yes, with diverted-to number,
	"diverting number is released to the	
Test purpose:	Ensure that when user A calls use	er B and user B invoke CD (with the address of user C)
		e N25, the call is deflected to user C, user A is notified
		ne diverted-to number (user C has presentation allowed
		d of the forwarding number (user B has presentation
	allowed).	d of the forwarding number (door 2 has presentation
Parameter values:	BC = PIXIT	
Comments:		

211405	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation 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/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". 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 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 reference to: ETSI EN 300 207-1 [12], clauses 9.2.2, 9.2.4.5 and 9.2.5	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5 Recommendation 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:		ed user call retention on invocation of diversion" is
	retain call until alerting begins at d	
	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 reference to:	Other relevant references:	
	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	Recommendation 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/211407	
Selection criteria:	CD; Network provider option "serv	red user call retention on invocation of diversion" is	
	"retain call until alerting begins at		
	The user A and the user C are in I	network N1. The user B is in network N2 and is provided	
	with CD ("calling user is notified of	with CD ("calling user is notified of call diversion" = Yes, with diverted-to number,	
	"diverting number is released to the	e diverted-to user" = Yes).	
Test purpose:	Ensure that when user A calls use	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 inform	ned 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 reference to:	Other relevant references:
	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	Recommendation 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/211408
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	retain call until alerting begins at c	
		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:		

211409	ISDN reference to:	Other relevant references:	
	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	Recommendation 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/211409	
Selection criteria:	CD; Network provider option "serv	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 reference to:	Other relevant references:	
	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	Recommendation 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/CD/211410	
Selection criteria:	CD; Network provider option "ser	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 use	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.	determined user busy.	
Parameter values:	BC = PIXIT		
Comments:			

211411	ISDN reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5	
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation ITU-T Q.1912.5 [35], annex B.6 ETSI TS 129 163 [40], clause 7.4.6	
TSS reference:	ISDN-ISDN/Supplementary_servi		
Selection criteria:	CD; Network provider option "serv "clear call on invocation".	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 reference to:	Other relevant references:
	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	Recommendation 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/211412
Selection criteria:	CD; Network provider option "served user call retention on invocation of diversion" is	
	"retain call until alerting begins at o	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	
	Call Received call state N07, the c	all is deflected to user C who is user determined user
	busy.	
Parameter values:	BC = PIXIT	
Comments:		

211413	ISDN reference to:	Other relevant references:
	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	Recommendation 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 "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 reference to: ETSI EN 300 207-1 [12],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.5
	clauses 9.2.2, 9.2.4.5 and 9.2.5	Recommendation 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/211414
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 Overlap Receiving call state N25, the call is deflected to user C who is user determined user busy.	
Parameter values:	BC = PIXIT	
Comments:		

6.2.2.15 FPH

211501	ISDN reference to:	Other relevant references:
	ETSI EN 300 210-1 [13],	
	clause 9.2.2.1	
TSS reference:	ISDN-ISDN/Supplementary_servic	es/FPH/211501
Selection criteria:	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 reference to: ETSI EN 300 130-1 [14], clause 9.2.1	Other relevant references: ETSI TS 183 036 [42], clause 5.2.6 Recommendation ITU-T Q.1912.5 [35], annex B.4 ETSI TS 129 163 [40], clause 7.4.4	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/MCID/211601	
Selection criteria:	The called (served) user is pr	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 reference to:	Other relevant references:
	ETSI EN 300 130-1 [14],	ETSI TS 183 036 [42], clause 5.2.6
	clause 9.2.1	Recommendation 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

ISDN reference to:	Other relevant references:
ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
clause 9.2	Recommendation ITU-T Q.1912.5 [35], annex B.15
ISDN-ISDN/Supplementary_serv	vices/3PTY/211701
The user A is in network N1 and network N2.	is provided with 3PTY. The user B and user C are in the
Ensure that user A can establish	a three-way conversation call with user B and user C
and release the Active-Idle conn	ection (A-C). After the completion of the Retrieve
function, the call clearing proced	lure is performed from user A.
BC = speech	
User A calls user B (with CRx). A connection.	After initiating of call hold, the call A-B has an Active-Held
, , , , , , , , , , , , , , , , , , ,	
	ETSI EN 300 188-1 [15], clause 9.2 ISDN-ISDN/Supplementary_sent The user A is in network N1 and network N2. Ensure that user A can establish and release the Active-Idle conniction, the call clearing proced BC = speech User A calls user B (with CRx). A connection. User A is calling user C (with the When user A sends a FACILITY Begin3PTY invoke component the containing a facility IE with a Begin3PTY invoke component to containing a facility IE with a Begin3PTY invoke component the containing a facility IE with a Begin3PTY invo

211702	ISDN reference to:	Other relevant references:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2, figure A.2	Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_service	es/3PTY/211702
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-Held connection (A-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 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 reference to: ETSI EN 300 188-1 [15], clause 9.2	Other relevant references: Recommendation ITU-T Q.734.2 [25], figure 2-8 ETSI TS 183 036 [42], clause 5.2.13
		Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	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	
Comments:		

211704	ISDN reference to:	Other relevant references:	
	ETSI EN 300 188-1 [15],	Recommendation ITU-T Q.734.2 [25], figure 2-9	
	clause 9.2	ETSI TS 183 036 [42], clause 5.2.13	
		Recommendation ITU-T Q.1912.5 [35], annex B.15	
TSS reference:	ISDN-ISDN/Supplementary_serv	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	BC = speech	
Comments:			

211705	ISDN reference to:	Other relevant references:
	ETSI EN 300 188-1 [15],	ETSI TS 183 036 [42], clause 5.2.13
	clause 9.2	Recommendation ITU-T Q.1912.5 [35], annex B.15
TSS reference:	ISDN-ISDN/Supplementary_servic	es/3PTY/211705
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 of both remote users, user C is released first.	
Parameter values:	BC = speech	
Comments:	User A calls user B (with CRx). After connection.	er initiating of call hold, the call A-B has an Active-Held
	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. 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 reference to: Other relevant references:	
211700	ETSI EN 300 188-1 [15], ETSI TS 183 036 [42], clause 5.2.13	
	clause 9.2 Recommendation 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) 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-Held connection, perform the Hold function; ii) use the CR relating to the Active-Held connection, perform the Hold function; ii) use the CR relating to the Active-Held connection, perform the Hold function; ii) use the CR relating to the Active-Held connection, perform the Hold function indicator information element with a notification description of "Remote hold".	

211707	ISDN reference to: ETSI EN 300 188-1 [15],	Other relevant references: ETSI TS 183 036 [42], clause 5.2.13
TSS reference:	clause 9.2 ISDN-ISDN/Supplementary_service	Recommendation ITU-T Q.1912.5 [35], annex B.15
Selection criteria:		provided with 3PTY. The user B and user C are in the
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). Aft connection. User A is calling user C (with the C When user A sends a FACILITY m Begin3PTY invoke component the containing a facility IE with a Begin receive a NOTIFY message contain description of "Conference establist of the remote user, for which a privipal served user by the CRy relating to an End3PTY invoke component to On receiving such an invoke component i) remove the three-way bridge Held connection; ii) release the three-way bridge iii) return to the served user at message, using the CRy of iv) send a NOTIFY message to information element with a land v) send to the remote user for the same NOTIFY message Notification indicator inform hold". If any intervening profession in the same message containing a sing disconnected, and a subsequence within a FACILITY message, the use further action. As a result of the profession of the connection unchanged.	er initiating of call hold, the call A-B has an Active-Held (Ry). The call (A-C) has an Active-Idle connection. essage for CRx containing a facility IE with a network shall respond with a FACILITY message 3PTY return result component for CRx. User B and C ning a Notification Indicator IE with a notification shed". The three-way bridge is established. The three-way bridge is established at communication is required, is identified at the the Active-Idle connection, the served user shall send the network in a FACILITY message with that CRy. Onent in a FACILITY message, the network shall: ge from both the Active-Idle connection and the Active-Idle connection; the Active-Idle connection; to both remote users containing a Notification indicator notification description of "Conference disconnected"; which private communication is not required, either in e as (iv), or in a subsequent NOTIFY message, a lation element with a notification description of "Remote does not support transmission of two notification essage, then this should be mapped at that point to a le notification description of "Conference equent message containing a notification description of correctly encoded End3PTY return result component, ser shall accept the provided information and take no occurrectly encoded End3PTY return result component, ser shall accept the provided information and take no occurrectly encoded End3PTY return result component, ser shall accept the provided information and take no occurrectly encoded End3PTY return result component, ser shall accept the provided information and take no occurrectly encoded End3PTY return result component, as to both the network and the served user, are

6.2.2.18 HOLD

211801	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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	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		
Comments:	·		

211802	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation 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/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	BC = speech	
Comments:			

211803	ISDN reference to:	Other relevant references:
	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
		Recommendation 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 reference to:	Other relevant references:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		Recommendation ITU-T Q.1912.5 [35], annex B.9
		ETSI TS 129 163 [40], clause 7.4.9
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CW/211901
Selection criteria:	The called user is provided with CV	V, 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 reference to:	Other relevant references:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		Recommendation 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 reference to:	Other relevant references:
	ETSI EN 300 058-1 [17],	ETSI EN 300 403-1 [1], clause 4.5.2.1
	clause 7	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.11
		Recommendation 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

212001	ISDN reference to:	
T00 (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 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:	In order to transfer the two calls into one call between user B and user C using the implinkage procedure, the call A-B is in the Active call state - Call Held auxiliary state at the call A-C is in the Active call state User A shall send a FACILITY message with the call reference of the call in the Call He auxiliary state and with a Facility information element containing an EctExecute invoke component. If the request for call transfer is accepted, network A shall: - through-connect between the networks of user B and user C; - 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: - network C shall send a FACILITY 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) 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.	

212002	ISDN reference to:	Other relevant references:
212002		
		Recommendation ITU-T Q.699 [24], clauses 3.1.2 and
	,	3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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:		ided with ECT using implicit linkage. User B and user
	C are in network N2.	
		CT 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 betwee user B and user C is established and the calls A-B and A-C are released. The call	
		ection is performed from user C. (user B and user C
_	have presentation restricted - COLF	₹).
Parameter values:	BC = PIXIT	
Comments:		o one call between user B and user C using the implicit
		tive 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
		ormation element containing an EctExecute invoke
	component.	
	If the request for call transfer is acce	
		the networks of user B and user C;
		ssage with the call reference of the call on which the
		nent 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 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.	
	invoke component.	
	The network C shall send a FACILIT	TY message to user C with a Notification indicator
		ation about the transfer and a Redirection number
		ISDN number of user B (subject to restriction) and a
		ing a RequestSubaddress invoke component.
		ubaddress invoke component, user B may send a
		ith a Facility information element containing the
		ssTransfer 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.	J
		ubaddress invoke component, user C may send a
		ith a Facility information element containing the
		ssTransfer invoke component. This indication shall be
	passed by network C to network B.	and the state of t
		k B shall send a FACILITY message to user B with a
		ing the SubaddressTransfer invoke component, with
	user C's subaddress.	g and a distriction of the original
	400. 0 0 0abaaa1000.	

242002	ICDN reference To:	Other relevant references	
212003	ISDN reference To:	Other relevant references:	
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
	clause 9	and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.7	
		Recommendation ITU-T Q.1912.5 [35], annex B.8	
		ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	ECT using implicit linkage, (A-C A		
Test purpose:	User A is in network N1 and is pro C are in network N2.	vided with ECT using implicit linkage. User B and user	
		ECT in which the call A-B is in the Active call state -	
		call A-C is in the Call Delivered State a connection	
		ablished and the calls A-B and A-C are released. When	
		message from user C, network C shall proceed with the	
	basic call procedure for the user C		
		B-C connection is performed from user B.	
Parameter values:	BC = PIXIT		
Comments:		he remote networks while the call to user C is in the	
	Call Delivered call state:	ACILITY manages to upor D. with a Natification	
		ACILITY message to user B, with a Notification	
		nent carrying information about the transfer and a	
		ent containing a RequestSubaddress invoke	
	component;	IOTIEN CONTRACTOR OF THE CONTR	
		OTIFY message to user C, with a Notification indicator	
		ying 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, netwo	ork C shall send a FACILITY message according to the	
	procedures of clause 8.3.1.1 of ET	SI EN 300 196-1 [26] to user C with a Facility	
	information element containing the	e SubaddressTransfer invoke component with user B's	
	subaddress. If a point-to-multipoin	t configuration exists at user C's interface, network C	
	shall send a FACILITY message to		
		NECT message from user C, network C shall proceed	
		C. On receipt of the indication that the call to user C	
	has been established, network B s		
	- if user C has provided a subaddress and the address is not subject to restriction,		
		ACILITY message to user B with a Notification indicator	
		/ing information about the transfer, a Redirection	
		ent containing the ISDN number of user C and a	
		ent containing the SubaddressTransfer invoke	
		subaddress. If user C has not provided a subaddress,	
		to restriction, network B shall send a NOTIFY message	
		on indicator information element carrying information	
		Redirection number information element containing the	
	ISDIN HUHIDEL OF USEL C. II	nformation (subject to restriction).	

212004	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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/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 reference to:	Other relevant references:	
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2 and	
	clauses 9.2.1, 9.2.3 and 9.2.4	3.2.2	
		ETSI TS 183 036 [42], clause 5.2.7	
		Recommendation ITU-T Q.1912.5 [35] annex B.8	
		ETSI TS 129 163 [40], clause 7.4.8	
TSS reference:	ISDN-ISDN/Supplementary_serv	ISDN-ISDN/Supplementary_services/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 provided with ECT using explicit linkage. User B and user 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-C connection is performed from user B. (user B and user	
	Call Held auxiliary state and th		
	between user B and user C is es		
	call clearing procedure of the B-0		
	C have presentation allowed - no	C have presentation allowed - no COLR)	
Parameter values:	BC = PIXIT	BC = PIXIT	
Comments:			

	lianu i	lau i i
212006	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 9	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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/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 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:		

212007	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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/212007
Selection criteria:	ECT using explicit linkage, (A-C Alerting, 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 ECT in which the call A-B is in the Active call state	
	and the call A-C is in the Call Delivered 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:		

212008	ISDN reference to: ETSI EN 300 369-1 [19], clause 10, figure A.11	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35] annex B.8 ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_service	ces/ECT/212008
Selection criteria:	 ECT. 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. Ensure that when user A invokes ECT in which the calls A-B and A-C are 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.	
Parameter values:	BC = PIXIT	
Comments:		

212009	ISDN reference to: ETSI EN 300 369-1 [19], clause 10, figure A.12	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.7 Recommendation ITU-T Q.1912.5 [35] annex B.8
T00 (IODALIODALIO	ETSI TS 129 163 [40], clause 7.4.8
TSS reference:	ISDN-ISDN/Supplementary_servi	ices/EC1/212009
Selection criteria:	ECT.Served user in private ISDN	N, 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 A-B is in the Active call 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:		

212010	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 10	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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/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 A-B and A-C are 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.	
Parameter values:	BC = PIXIT	
Comments:		

	1	
212011		Other relevant references:
		Recommendation ITU-T Q.699 [24], clauses 3.1.2 and
		3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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/212011
Selection criteria:		-C Active, Call Held) - Transfer after answer.
	- User B and C are connected t	to a private ISDN.
Test purpose:	User A is in network N1 and is prov	ided 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 sate and
	the call A-C is in the Active call sta	ate - Call Held auxiliary state, a connection between
	user B and user C is established an	nd the calls A-B and A-C are released.
	The call clearing procedure of the B	B-C connection is performed from user C.
Parameter values:	BC = PIXIT	•
Comments:	After transfer, the public network sh	all send a FACILITY message to the private network
		o the private network user. The FACILITY message
		element with an EctInform invoke component indicating
	other call is "active" and containing	
		I its user's subaddress to the other user, the private
	network shall send a FACILITY message with a Facility information element containing the Subaddress Transfer invoke component with the subaddress to the public network. The public network shall convey the subaddress to the other user by sending a FACILITY	
		network depending on the user's location.
		etion, then when the public network is informed that the
		e call, the public network shall send a FACILITY
		ng the call reference of the call to the remote user.
	linessage to the private network using	ing the call reference of the call to the remote user.
	The FACILITY message shall conta	ain:
		ent with an EctInform invoke component indicating the
		ntaining the redirectionNumber parameter;
		ent with a SubaddressTransfer invoke component
		supplied by the other user, if available and not
	restricted.	supplied by the other user, if available and flot
		un Extenform involve component containing s
		in EctInform invoke component containing a
		ield shall be processed as defined for the equivalent
	fields in the Calling Party number in	normation element.

212012	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 9	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.7
		Recommendation 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 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:		

6.2.2.21 CCBS

212101	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11 ETSI TS 129 163 [40], clause 7.4.11
TSS reference: Selection criteria:	ISDN-ISDN/Supplementary_services/CCBS/212101 - 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 Recall option = PIXIT User A is in network N1, user B is in network N2.	
Test purpose:	Ensure that user A can establish configuration exits.	a successful CCBS call setup if a multipoint
Parameter values:	BC = PIXIT	
Comments:		

212102	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27],	ETSI EN 300 356-1 [18]	
	clauses 9.4.3.1 and 9.4.4.1	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_serv	vices/CCBS/212102	
Selection criteria:		orting the CCBS supplementary service and this	
	supplementary service	is available to user A.	
	 Signalling procedures a 	t 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 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 invol	element with a cCBSErase invoke indicating cCBSEraseReason "normal-unspecified"	
	and enters the call state N04.	-	

212103	ISDN reference to: ETSI EN 300 359-1 [27], clauses 9.2.1 and 9.4.4.1 Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation 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/212103	
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. 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 reference to:	Other relevant references:
	ETSI EN 300 359-1 [27],	ETSI EN 300 356-1 [18]
	clauses 9.2.1 and 9.4.4.1	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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/212104
Selection criteria:	 OLE and DLE are support 	rting the CCBS supplementary service and this
	supplementary service is	
	 Signalling procedures at 	the 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 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 compor	nent.

212105	ETSI EN 300 359-1 [27] ET Re an ET Re	ther relevant references: TSI EN 300 356-1 [18] ecommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 TSI TS 183 036 [42], clause 5.2.14 ecommendation ITU-T Q.1912.5 [35], annex B.11 TSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_services/	
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 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 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.	

212106	ISDN reference to:	Other relevant references:
	ETSI EN 300 357 [28],	ETSI EN 300 356-1 [18]
	clause 6.3.1.1	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	ETSI EN 300 359-1 [27],	and 3.2.2
	clause 9.1.2	ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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:		orting the CCBS supplementary service and this
	supplementary service	s available to user A.
	 Signalling procedures a 	t the coincident S and T reference point.
	- User A is in network N1, user B is in network N2.	
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 FACILIT 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 dest		inkageID, 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 reference to: ETSI EN 300 357 [28], clause 6.3.1.1 ETSI EN 300 359-1 [27], clause 9.1.2	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation 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/212107	
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. User A is in network N1, user B is in network N2. 	
Test purpose:	Ensure that network A cannot accept the CCBS request because the CCBS supplementary service is not available 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 invoke component including the CallLinkageID, but CCBS is not available to the destination at this time, the user A receives a FACILITY message containing a Facility information element with a CCBSRequest return error component indicating "shortTermDenial".	

212108	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-ISDN/Supplementary_s	services/CCBS/212108	
Selection criteria:		 Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. 	
		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	BC = PIXIT	
Comments:			

212109	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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/212109
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.	
	 Recall option = PIXIT. 	
Test purpose:	Ensure that if network A cannot accept the request because no B-cannel can be 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 previously sent CCBSRemoteUserFree invoke component, when no B-channel component including the CCBSReference from the component including the		
		serFree 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 reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation ITU-T Q.1912.5 [35], annex B.11	
		ETSI TS 129 163 [40], clause 7.4.11	
TSS reference:	ISDN-ISDN/Supplementary_s	ISDN-ISDN/Supplementary_services/CCBS/212110	
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. 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 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 reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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/212111
Selection criteria:	 Network A and network B a 	are supporting the CCBS supplementary service and this
	supplementary service is a	vailable to user A.
		e coincident S and T reference point.
	 Network option "CCBS req 	uest retention" is set to "no".
	 Multipoint configuration. 	
Test purpose:	Ensure that if network B cannot establish the call because user B is busy again, network	
	B is proceeding with normal call c	learing User A can activate the CCBS supplementary
	service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the 0	Outgoing Call Proceeding state and CCBS Call Init
	State, where a multipoint config	uration exists, if network B cannot establish the call
	because user B is busy again, the	e 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
		formation element with a CCBSErase invoke component
	including CCBSEraseREason end	coded as "basic-call-failed.
	User A can activate the CCBS su	pplementary service again.

212112	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation 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:	supplementary service is av	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, 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 reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation 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/212113	
Selection criteria:	 Network A and network 	- Network A and network B are supporting the CCBS supplementary service and this	
	supplementary service	supplementary service is available to user A.	
	 Signalling procedures 	at the coincident S and T reference point.	
Test purpose:	Ensure that the network A in	Ensure that the network A in the Outgoing Call Proceeding state and CCBS Call Init	
	State, where a multipoint con	figuration exists, on receipt of a DISCONNECT message	
		vork A sends to user A a RELEASE COMPLETE message	
		and a FACILITY message (UI frame) containing a Facility information element with a	
	CCBSErase invoke compone	CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-	
	failed.		
Parameter values:	BC = PIXIT		
Comments:			

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

212115	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation ITU-T Q.1912.5 [35], annex B.11
		ETSI TS 129 163 [40], clause 7.4.11
TSS reference:	ISDN-ISDN/Supplementary_service	
Selection criteria:		re supporting the CCBS supplementary service and this
	supplementary service is av	
	 Signalling procedures at the 	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:	Ensure that the network A (in the in the Outgoing Call Proceeding and in the CCBS Idle	
	state Null call state) to indicate that user B is busy sends to user A DISCONNECT (or	
		with cause #17 or #34, containing a Facility information
	The network A on receipt of a REC	GISTER message containing a Facility information novoke component including the retentionSupported
	parameter set to TRUE receives a FACILITY message with a Facility information element with a CCBS-T-Request return result component including the parameter	
	retentionSupported set to TRUE.	
	To indicate that the destination has become not busy user A receives a FACILITY	
	containing a Facility information element with a CCBS-T-RemoteUserFree invoke	
	component.	
		ntaining Bearer capability information element from the on element with a CCBSCall invoke component
		n the previously sent CCBS-T-RemoteUserFree invoke

212116	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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/212116
Selection criteria:	 Network A and network B a 	re supporting the CCBS supplementary service and this
	supplementary service is a	vailable to user A.
	 Signalling procedures at the 	e T reference point at both ends.
Test purpose:	Ensure that the public network cannot accept the CCBS request because CCBS is not	
	available to the destination at this	time.
Parameter values:	BC = PIXIT	
Comments:		in the Outgoing Call Proceeding and in the CCBS Idle
		at user B is busy sends to user A DISCONNECT (or
	RELEASE COMPLETE) message	with clause #17 or #34, containing a Facility
	information element with CCBS-T	-Available invoke component at this time.
	On receipt of a (network A is in the	e call state N00, CCBS Idle state) REGISTER message
	containing a Facility information e	lement with a CCBS-T-Request invoke component but
	the supplementary service CCBS	is not available at this time to the destination.
	The user A receives a FACILITY r	nessage containing a Facility information element with a
	CCBSRequest return error compo	nent indicating "shortTermDenial" and then receives
		31 to clear the signalling connection or receives a
		31 containing a Facility information element with a
	CCBSRequest return error compo	nent indicating "shortTermDenial".

212117	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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/212117
Selection criteria:		re supporting the CCBS supplementary service and this
	supplementary service is av	/ailable to user A.
	 Signalling procedures at the 	e T reference point at both ends.
Test purpose:	Ensure that the public network cannot accept the CCBS request because CCBS is not	
	available to the destination.	
Parameter values:	BC = PIXIT	
Comments:		n the Outgoing Call Proceeding and in the CCBS Idle
		t user B is busy sends to user A DISCONNECT (or
		with clause #17 or #34, containing a Facility
	information element with CCBS-T-	Available invoke component.
		e call state N00, CCBS Idle state) REGISTER message
	containing a Facility information el	ement with a CCBS-T-Request invoke component but
	the supplementary service CCBS	is not available to the destination.
	The user A receives a FACILITY n	nessage containing a Facility information element with a
	CCBSRequest return error compo	nent indicating "longTermDenial" and then receives
	RELEASE message with clause #	31 to clear the signalling connection or receives a
	RELEASE message with clause #	31 containing a Facility information element with a
	CCBSRequest return error compo	nent indicating "longTermDenial".

212118	ISDN reference to:	Other relevant references:	
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]	
		Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.14	
		Recommendation 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:	 Network A and network 	- Network A and network B are supporting the CCBS supplementary service and this	
	supplementary service	e is available to user A.	
	 Signalling procedures 	at the T reference point at both ends.	
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 sends a RELEASE message with clause value #31.		
Parameter values:	BC = PIXIT		
Comments:			

212119	ISDN reference to:	Other relevant references:
	ETSI EN 300 359-1 [27]	ETSI EN 300 356-1 [18]
		Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.14
		Recommendation 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/212119	
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is av	ailable 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 reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation 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/212120	
Selection criteria:	supplementary service is av - Signalling procedures at the	re supporting the CCBS supplementary service and this vailable to user A. Teference point at both ends. 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 establish the call because user B is busy again, the network A sends to user A a DISCONNECT containing a CCBS-T-Available invoke component. Network B shall resume monitoring user B for being not busy.	

212121	ISDN reference to: ETSI EN 300 359-1 [27]	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.14 Recommendation 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/212121	
Selection criteria:	supplementary service is av	e T reference point at both ends.
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 component	

6.2.2.22 CCNR

212201	ISDN reference to:
TSS reference:	ISDN-ISDN/Supplementary_services/CCNR/212201
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. Recall option = PIXIT. Point-to-multipoint configuration applies.
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 reference to: ETSI EN 301 065-1 [29]	Other relevant references:
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCNR/212202
Selection criteria:	OLE and DLE are supporting supplementary service is av-	g the CCNR supplementary service and this ailable to user A.
	 Signalling procedures at the Recall option = PIXIT. Point-to-multipoint configura 	coincident S and T reference point.
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 a point-to-multipoint configuration applies.	
Parameter values:	BC = PIXIT	
Comments:		

212203	ISDN reference to:	Other relevant references:
	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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-ISDN/Supplementary_service	es/CCNR/212204
Selection criteria:	supplementary service is av	g the CCBS supplementary service and this railable to user A. e 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:	state), on receipt of a FACILITY m CCBSDeactivate invoke component	twork A is in the call state N00 and CCNR Activated essage containing a Facility information element with a nt including the correct CCBSReference parameter, age containing a Facility information element with a ponent.

212205	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation ITU-T Q.1912.5 [35], annex B.12
		ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_ser	rvices/CCNR/212205
Selection criteria:		ting the CCBS supplementary service and this
	supplementary service is	
		the coincident S and T reference point.
Test purpose:	Ensure that network A cannot accept the CCNR request because the CCBS	
	supplementary service is not av	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
		CallLinkageID, but CCBS is not available to the
	destination, the user A receives	a FACILITY message containing a Facility information
	element with a CCBSRequest r	eturn error component indicating "shortTermDenial" or
	"longTermDenial".	

212206	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-ISDN/Supplementary_se	rvices/CCNR/212206	
Selection criteria:	supplementary service is	B are supporting the CCBS supplementary service and this savailable to user A. the coincident S and T reference point.	
Test purpose:	Ensure that if network A is info	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	
Parameter values:	BC = PIXIT		
Comments:			

212207	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 Recommendation ITU-T Q.1912.5 [35], annex B.12 ETSI TS 129 163 [40], clause 7.4.12
TSS reference:	ISDN-ISDN/Supplementary_serv	ices/CCNR/212207
Selection criteria:	supplementary service is a	are supporting the CCBS supplementary service and this available to user A. he coincident S and T reference point.
Test purpose:	Ensure that if network A cannot a network A shall suspend the CCN	accept the request because no B-cannel can be selected, NR request at network B.
Parameter values:	BC = PIXIT	·
Comments:	Bearer capability information eler element with a CCBSCall invoke previously sent CCBSRemoteUs selected, the network A sends to	NR free state on receipt of SETUP message containing ment from the original call and a Facility information component including the CCBSReference from the erFree 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 reference to: ETSI EN 301 065-1 [29]	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 Recommendation 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/212208
Selection criteria:	this supplementary service - Signalling procedures at t	are supporting the CCBS supplementary service and the is available to user A. The coincident S and T reference point. S 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:	State, if network B cannot establish	Outgoing Call Proceeding state and CCBS Call Init sh the call because user B is busy again, the network A not containing a Facility information element with a no user B for being not busy.

212209	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation 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/212209
Selection criteria:	 Network A and network B 	B are supporting the CCBS supplementary service and
	this supplementary service	e is available to user A.
	 Signalling procedures at 	the coincident S and T reference point.
	 Network option "CCBS re 	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	clearing User A can activate the CCNR supplementary
	service again.	
Parameter values:	BC = PIXIT	
Comments:	Ensure that the network A in the	Outgoing Call Proceeding state and CCNR Call Init
	State, if network B cannot establis	sh the call because user B is busy again, the network A
	sends to user A DISCONNECT m	nessage 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 reference to: ETSI EN 300 138-1 [7], clause 9.4.1.2	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 Recommendation ITU-T Q.1912.5 [35], annex B.12 ETSI TS 129 163 [40], clause 7.4.12	
TSS reference:	ISDN-ISDN/Supplementary_se	ISDN-ISDN/Supplementary_services/CCNR/212210	
Selection criteria:	 Network A and network B 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 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 CCBSErase invoke component including CCBSEraseREason encoded as "t-CCBS3-timout".		
Parameter values:	BC = PIXIT		
Comments:			

212211 TSS reference:	ISDN reference to: ETSI EN 300 138-1 [7], clause 10.2.2 ISDN-ISDN/Supplementary_service	Other relevant references: ETSI EN 300 356-1 [18] Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 Recommendation ITU-T Q.1912.5 [35], annex B.12 ETSI TS 129 163 [40], clause 7.4.12
Selection criteria:	Network A and network B a this supplementary service	are supporting the CCBS supplementary service and
Test purpose:	Ensure that network A can initiate	a CCNR call to Network B.
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 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 cor original 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 provide component including the retention Supported FACILITY message with a Facility information element ult component including the parameter selection become not busy user A receives a FACILITY ement with a CCBS-T-RemoteUserFree invoke attaining Bearer capability information element from the on element with a CCBSCall invoke component in the previously sent CCBS-T-RemoteUserFree invoke strate a CCBS call to Network B and sends a CALL

212212	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 10.1.2.2	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
		and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation 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/212212	
Selection criteria:	 Network A and network B 	are supporting the CCNR supplementary service and	
	this supplementary service	e is available to user A.	
	 Signalling procedures at the 	ne 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 at this	time.	
Parameter values:	BC = PIXIT		
Comments:	Ensure that the network A (in the i	n the Outgoing Call Proceeding and in the CCBS Idle	
	state Null call state) to indicate that	at 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		
		invoke component but the supplementary service	
	CCNR is not available at this time		
		message containing a Facility information element with	
	a CCNRRequest return error com	ponent indicating "shortTermDenial".	

212213	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 10.1.2.2	Recommendation ITU-T Q.699 [24], clauses 3.1.2
		and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation 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/212213
Selection criteria:	 Network A and network 	ork B are supporting the CCNR supplementary service and
	this supplementary s	ervice is available to user A.
	- Signalling procedures at the 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:	Ensure that the network A (in the 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".	

212214	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29],	Recommendation ITU-T Q.699 [24], clauses 3.1.2	
	clause 10.1.7.1	and 3.2.2	
		ETSI TS 183 036 [42], clause 5.2.15	
		Recommendation 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:		 Network A and network B are supporting the CCNR supplementary service and 	
		this supplementary service is available to user A.	
	 Signalling procedures 	s at the T reference point at both ends.	
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 reference to: ETSI EN 301 065-1 [29], clause 10.1.6.2	Other relevant references: Recommendation ITU-T Q.699 [24], clauses 3.1.2 and 3.2.2 ETSI TS 183 036 [42], clause 5.2.15 Recommendation ITU-T Q.1912.5 [35], annex B.12
TSS reference:	ISDN-ISDN/Supplementary service	ETSI TS 129 163 [40], clause 7.4.12
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:		

212216	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29],	Recommendation ITU-T Q.699 [24], clauses 3.1.2
	clause 10.1.6.2	and 3.2.2
		ETSI TS 183 036 [42], clause 5.2.15
		Recommendation 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/212216	
Selection criteria:	- Network A and network B are supporting the CCNR supplementary service and	
	this supplementary service is available to user A.	
	- Signalling procedures at the T reference point at both ends.	
	 Network option "CCBS red 	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 reference to:	Other relevant references:		
	ETSI EN 300 195-1 [20], clause 5			
TSS reference:	ISDN-ISDN/Supplementary_servic	es/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	outgoing access allowed, the called user is provided with CLIP and SUB.		
Test purpose:	subaddress, Called party subaddre information elements are correctly sent by the network to the called us called user with Connected subaddinformation elements are correctly network to the calling user.	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		
Parameter values:	BC = speech, HLC = telephony, UI	length = 32, SI = UPVP		
Comments:				

212302	ISDN reference to:	Other relevant references:	
	ETSI EN 300 195-1 [20], clauses 5.29 and clause 5.27		
T00 (/0 / //2/2020	
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:		OLP, UUS1 implicit request, the called user is provided	
	with CLIP and CFB, the forwarded-	to user is provided with CLIP.	
Test purpose:	subaddress and User-user informa correctly transferred to the forward by the network to the forwarded-to the Connected number is provided and User-user information element in the CONNECT message sent by	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 reference to:	Other relevant references:
	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 reference to: ETSI EN 300 403-1 [1], clause 5.1.5.1 Other relevant references:	
TSS reference:	ISDN-ISDN/Supplementary_services/DDI/212401	
Selection criteria:	en-bloc sending at user A;DDI at user B.	
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 the full ISDN number 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 reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],		
	clause 5.1.5.2		
TSS reference:	ISDN-ISDN/Supplementary_servic	ISDN-ISDN/Supplementary_services/DDI/212402	
Selection criteria:	 Overlap sending at user A. 		
	- DDI at user B.		
Test purpose:	Ensure that call establishment usin	Ensure that call establishment using 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		
		I/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.		

6.2.2.25 MSN

212501	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1]	ETSI EN 300 052-1 [46]	
	clause 5.1.5.1		
TSS reference:	ISDN-ISDN/Supplementary_service	es/MSN	
Selection criteria:	Selection: IUT supports insertion of	of partial ISDN number in Called party number	
	information element.		
Test purpose:	Ensure that the IUT in the Null call state N00, to indicate an incoming call and only the partial ISDN number is available,		
	sends a SETUP message with a Called party number information element with type of		
	number coded as "unknown", numbering plan identification field coded as "unknown" or as "ISDN/telephony numbering plan", and MSN digits and enters state N06.		
Parameter values:			
Comments:			

212502	ISDN reference to:	Other relevant references
	ETSI EN 300 403-1 [1]	ETSI EN 300 052-1 [46]
	clause 5.1.5.1	
TSS reference:	ISDN-ISDN/Supplementary_service	ces/MSN
Selection criteria:	Selection: IUT supports insertion	of partial ISDN number in Called party number
	information element.	
Test purpose:	Ensure that the IUT in the Null call state N00, to indicate an incoming call and the full ISDN number is available,	
	sends a SETUP message with a Called party number information element with type of number coded as "subscriber number", "national number" or "international number" and numbering plan identification field coded as "unknown" or as "ISDN/telephony numbering plan", and the full ISDN number including MSN digits and enters state N06.	
Parameter values:		
Comments:		

212503	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references ETSI EN 300 052-1 [46]	
	clause 5.1.5.1		
TSS reference:	ISDN-ISDN/Supplementary_service		
Selection criteria:	Selection: IUT supports insertion of partial ISDN number in Called party number information element.		
Test purpose:	the user to the network according to The type of number indicated in the network shall be coded as: - "unknown", where the number se multiple subscriber number). Natio - "subscriber number", "national number is sent.	The multiple subscriber number, if provided by the calling user, shall be delivered from the user to the network according to the procedures of ETSI EN 300 403-1 [1] clause 5.1. The type of number indicated in the Calling party number information element sent to the network shall be coded as: - "unknown", where the number sent is not a full ISDN number (including at least the multiple subscriber number). National and international prefixes shall not be included; - "subscriber number", "national number" or "international number", where the full appropriate ISDN number is sent. The "numbering plan identification" field of the Calling party number information element	
Parameter values:			
Comments:			

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

300101	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	
TSS reference:	ISDN-ISDN/B-channel/Spee	ch/300101
Selection criteria:		
Test purpose:	To ensure that speech trans	fer on the B-channel is performed correctly.
Parameter values:	BC = speech	•
Comments:		

300201	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI ETS 300 289 [21]
TSS reference:	ISDN-ISDN/B-channel/UDI/300201	
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 sepa	arately

300301	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	
TSS reference:	ISDN-ISDN/B-channel/Audio/3003	01
Selection criteria:		
Test purpose:	To ensure that 3,1 kHz signal trans	sfer on the B-channel is performed correctly.
Parameter values:	BC = 3,1 kHz audio	
Comments:		

300401	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI ETS 300 289 [21]
TSS reference:	ISDN-ISDN/B-channel/UDI-TA/300	401
Selection criteria:		
Test purpose:	continuous 24 hours period: - the number of eroded sec	rements for error and octet slip for the first or the last onds shall be less than 5 324; oded seconds shall be less than 105; shall be less than 5.
Parameter values:	BC = UDI/TA, PRBS = 211-1	
Comments:	Each direction shall be tested sepa	rately.

6.2.4 Test purposes for ISDN-PSTN, Basic call

6.2.4.1 Successful-Speech

410101	ISDN reference to:	Other relevant references:	
	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], cause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Speech/410101	
Selection criteria:	PSTN XML and early media	PSTN XML and early media are supported from the calling AGW/VGW	
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:			

410101A	ISDN reference to:	Other relevant references:
	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], cause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Speech/410101	
Selection criteria:	PSTN XML is not supported from	n the calling AGW/VGW
Test purpose:	Ensure that the call establishment using en-bloc sending is performed correctly.	
Parameter values:	BC = speech, no HLC	
Comments:		

440400	IODNI	Other and account and an account
410102	ISDN reference to:	Other relevant references:
	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], cause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successf	ul/Speech/410102
Selection criteria:	PSTN XML and early media are	supported from the calling AGW/VGW
Test purpose:	Ensure that the call establishmen	nt using overlap sending is performed correctly. During
		licator information element shall be returned to the
		otion value #1 "call is not end-to-end ISDN" or #2
	"destination address is non-ISDN	
Parameter values:	BC = speech, no HLC	
Comments:	,	
Test Procedures		Expected Results
A dials digit by digit dial	all digits of B's number	AGCF forwards INVITE after interdigit timeout - the call
	C	is successful
A dials digit by digit dial	all digits of B's number and	AGCF forwards INVITE after receiving "sending
additional digits and "sending complete"		complete" - the call is successful
A dials enbloc all digits	of B's number	AGCF forwards INVITE after interdigit timeout - the call
		is successful
A dials enbloc all digits	of B's number and additional	AGCF forwards INVITE after interdigit timeout - the call
digits		is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after receiving "sending
digits and after 3 sec "sending complete"		complete" - the call is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after receiving "sending
digits and "sending complete"		complete" - the call is successful
A dials enbloc three dig	its of B's number and after 3 sec	AGCF forwards INVITE after interdigit timeout - the call

410102A	ISDN reference to:	Other relevant references:
	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], cause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successf	ul/Speech/410102
Selection criteria:	PSTN XML is not supported from	the calling AGW/VGW
Test purpose:	Ensure that the call establishmer	nt using overlap sending is performed correctly
Parameter values:	BC = speech, no HLC	
Comments:		
Test	Procedures	Expected Results
A dials digit by digit dial all digits of B's number		AGCF forwards INVITE after interdigit timeout - the call
		is successful
A dials digit by digit dial	all digits of B's number and	AGCF forwards INVITE after interdigit timeout - the call
additional digits		is successful
A dials enbloc all digits of B's number		AGCF forwards INVITE after interdigit timeout - the call
_		is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after interdigit timeout - the call
digits		is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after receiving "sending
digits and after 3 sec "sending complete"		complete" - the call is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after receiving "sending
digits and "sending complete"		complete" - the call is successful
A dials enbloc three digits of B's number and after 3 sec		AGCF forwards INVITE after interdigit timeout - the call
further digits (digit by digit)		is successful

410103	ISDN reference to:	Other relevant references:	
	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	
		Recommendation 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 reference to: ETSI EN 300 403-1 [1], clause 5.3.3	Other relevant references: 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 [1] Q.699 [24], clause 3.2
TSS reference:	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 reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41]
		ETSI TS 183 036 [42]
TSS reference:	ISDN-PSTN/Basic_call/Success	ful/Speech/410105
Selection criteria:		
Test purpose:	Ensure that the re-answer proce	dure is performed correctly when the called user clears
	and re-answers	·
Parameter values:	BC = speech, no HLC	
Comments:		

410106	ISDN reference to:	Other relevant references:
	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

410201	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Succ	essful/Audio/410201
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 = 3,1 kHz audio, no HLC	
Comments:		

410202	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/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 reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Audio/410203	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure	is performed correctly when the calling user clears
	after answer	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

410204	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.3.3	Other relevant references: 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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Successful/Audio/410204	
Selection criteria:		
Test purpose:	Ensure that the clearing procedula fter answer	ure is performed correctly when the called user clears
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

410205	ISDN reference to:	Other relevant references:
	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
		Recommendation 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 reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Succ	ISDN-PSTN/Basic_call/Successful/Audio/410206	
Selection criteria:			
Test purpose:		Support of voice band data via modem: Ensure that call establishment can be done with	
		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-l	SDN".	
Parameter values:	BC = 3,1 kHz audio, LLC = v	oice band data via modem	
Comments:			

6.2.4.3 Successful-UDI/TA

410301	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Success	ful/UDI-TA/410301	
Selection criteria:	 Telephony UDI-TA teles 	- Telephony UDI-TA teleservice	
	 Fallback allowed. 		
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 allowed SETUP message: A SETUP message containing two		
	BCs, with the first BC = speech a	and the second BC = UDI/TA, a HLC = telephony	

410302	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Succ	cessful/UDI-TA/410302
Selection criteria:	Videotelephony telesFallback allowed	service
Test purpose:	Ensure that the call establishment is performed correctly when a videotelephony 7 kHz fallback allowed SETUP message 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

420101	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420101	
Selection criteria:		
Test purpose:		PSTN user is busy the network transport the cause value
	#17 "user busy" to the calling user.	
Parameter values:	BC = speech	
Comments:		

420102	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Speech/420102	
Selection criteria:		
Test purpose:	Ensure that when calling to a 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 reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation 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 PSTN user, the call is cleared.	
Parameter values:	BC = speech	
Comments:		

420104	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/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

420201	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI/420201	
Selection criteria:		
Test purpose:		requests digital connectivity for a call to a PSTN user,
	the network initiate call clearing to the calling user with cause value #63 "service or option	
	not available, unspecified" or cause value #65 "bearer capability not implemented".	
Parameter values:	BC = UDI	
Comments:		

6.2.4.6 Unsuccessful-audio

420301	ISDN reference to:	Other relevant references:
	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
		Recommendation 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 PS	TN user is busy the network transport the cause value
	#17 "user busy" to the calling user.	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

420302	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/Audio/420302	
Selection criteria:		
Test purpose:		nallocated 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 reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation 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 reference to:	Other relevant references:
	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
		Recommendation 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

420401	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420401	
Selection criteria:	- Telephony UDI-TA teleservice;		
	 Fallback not allowed 		
Test purpose:	Ensure that when a telephon	y 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 no	telephony 7 kHz fallback not allowed SETUP message: A SETUP message containing	
	a single BCs with the BC = L	JDI/TA and a single HLC = telephony	

420402	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420402	
Selection criteria:	 Videotelephony teles 	- Videotelephony teleservice;	
	 Fallback not allowed 	l.	
Test purpose:	Ensure that when a videotel	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 fallb	videotelephony 7 kHz fallback not allowed SETUP message: A SETUP message	
	containing a single BC = UD	containing a single BC = UDI/TA and a single HLC = videotelephony_ic	

420403	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420403	
Selection criteria:	 Telephony UDI-TA to 	- Telephony UDI-TA teleservice;	
	 Fallback not allowed 		
Test purpose:	Ensure that, when calling to	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 reference to: ETSI EN 300 403-1 [1], clauses 5.1.4 and G.1.1	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsucces	• • •
Selection criteria:	Telephony UDI-TA teleservice; Fallback not 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 reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420405		
Selection criteria:	Telephony UDI-TA teleservice; Fallback not allowed.		
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 = telephony		
Comments:			

420406	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420406	
Selection criteria:	- Telephony UDI-TA teleservice;		
	 Fallback not allowed. 		
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 = telephon	BC = UDI/TA, HLC = telephony	
Comments:			

420407	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1.9, 5.3.2 and G.1.10	Other relevant references: 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 Recommendation 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;	
	 Fallback not allowed. 	
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	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clause 5.3.5.5	
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1	
		ETSI EN 300 899-1 [37], clause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420408	
Selection criteria:	 Telephony UDI-TA to 	- Telephony UDI-TA teleservice;	
	 Fallback not 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 = telepho	BC = UDI/TA, HLC = telephony	
Comments:			

420409	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420409	
Selection criteria:	- Telephony UDI-TA teleservice;	
	 Fallback not allowed. 	
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 reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/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:		

420411	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	sful/UDI-TA/420411
Selection criteria:	- Telephony UDI-TA teleservice;	
	 Fallback allowed 	
Test purpose:	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	d".
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420412	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	uccessful/UDI-TA/420412	
Selection criteria:	 Videotelephony teles 	- Videotelephony teleservice;	
	 Fallback allowed. 		
Test purpose:	Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to		
	· ·	all initiate call clearing to the calling user with cause value #65	
	"bearer capability not implem	nented".	
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

420413	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420413
Selection criteria:	- Telephony UDI-TA te	leservice;
	 Fallback allowed. 	
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:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420414	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/420414	
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony
Comments:	

420415	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuc	ccessful/UDI-TA/420415
Selection criteria:	- Telephony UDI-TA tel	eservice;
	 Fallback allowed. 	
Test purpose:	Ensure that, when the called user is not responding, the network initiate call clearing to	
	the calling user sending a DIS	CONNECT message containing a PI#8 and cause value
	#18 "no user responding".	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420416	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	sful/UDI-TA/420416
Selection criteria:	 Telephony UDI-TA teleser 	vice;
	 Fallback allowed. 	
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:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420417	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.1.9, 5.3.2 and G.1.10	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsucces	L 27
Selection criteria:	 Telephony UDI-TA telese Fallback allowed. 	
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

420418	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsu	uccessful/UDI-TA/420418
Selection criteria:	 Telephony UDI-TA to 	eleservice;
	 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	
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

420419	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Basic_call/Unsu	ccessful/UDI-TA/420419	
Selection criteria:	 Telephony UDI-TA te 	eleservice;	
	 Fallback allowed. 		
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:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

420420	ISDN reference to: ETSI EN 300 403-1 [1], clause G.1.6	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccess	ful/UDI-TA/420420
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

6.2.5 Test purposes for ISDN-PSTN, Supplementary services

6.2.5.1 CLIP

510101	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Supplementary_	_services/CLIP/TC510101	
Selection criteria:	The called user is provided v	The called user is provided with CLIP.	
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling		
	party number is correctly delivered to the called (served) user.		
Parameter values:	BC = PIXIT, Calling party sul	baddress	
Comments:			

510102	ISDN reference to:	Other relevant references:
310102		
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary	_services/CLIP/TC510102
Selection criteria:	The called user is provided v	with CLIP.
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling	
	party number information ele	ement is network provided and correctly delivered to the
	called (served) user.	, , , , , , , , , , , , , , , , , , , ,
Parameter values:	BC = PIXIT	
Comments:		

6.2.5.2 CLIR

510201	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: ETSI EN 300 001 [30]
	L O L O O O O O O O	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
		Recommendation 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;	
	 the calling user is provided 	with CLIR.
Test purpose:	The calling user is provided with CLIR permanent mode subscription.	
		subaddress is provided by the calling user the Calling
	party number is not delivered to the	e called user.
Parameter values:	BC = PIXIT, Calling party subaddre	ess
Comments:		

510202	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CLIP/TC510202
Selection criteria:	the called user is providedthe calling user is provided	
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 reference to:	Other relevant references:
	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
		Recommendation 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 reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PSTN/Supplementary_s	ISDN-PSTN/Supplementary_services/COLR/510401	
Selection criteria:		- the called PSTN user is provided with COLR;	
	 the calling user is pro 	vided with COLP.	
Test purpose:	Ensure that the Connected nur	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 ir	this service, the presentation indicator indicate "number not available due to	
	interworking".		
Parameter values:	BC = PIXIT, (PI = PR), SI = NF	P, N = unknown, NPI = unknown	
Comments:			

6.2.5.5 CUG

510501	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references:
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CUG/510501
Selection criteria:	Orign.:CUG supplementary options: not OA; not ocb; not Preference CUG Term.: ISDN user is not member of 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 CUGCall invoke component: - OARequested set to TRUE - CUG Index included	
Comments:		

510502	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],		
	clauses 9.2.2 and 9.2.4		
TSS reference:	ISDN-ISDN/Supplementary_servic	es/CUG/510502	
Selection criteria:	Orign.: The calling user belongs to	a CUG with the following CUG supplementary options:	
	OA; not ocb; not Preference CUG		
	Term.: ISDN user is not member of	f a CUG	
Test purpose:	Ensure that when the calling user t	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 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 reject	ed", return error value "userNotMemberOfCUG".	
Parameter values:	BC = PIXIT; Facility IE with CUGCall invoke component:		
	 OARequested set to TRU 	E	
	 CUG Index included 		
Comments:			

510503	ISDN reference to:	Other relevant references:	
	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 Preference CUG	
	Term.: PSTN user is not member of 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		
		G, call establishment to a PSTN user is possible.	
Parameter values:	BC = PIXIT; Facility IE with CUGCall invoke component:		
	 OARequested set to TRUI 	E	
	 CUG Index not included 		
Comments:			

6.2.5.6 CFU

510601	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/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 presentation 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	t the PSTN subscriber acts like an ISDN-subscriber.	

510601A	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_serv	ices/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 with CFU ("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, 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, 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.	

510602	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/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 reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_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 reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12]			
TSS reference:	ISDN-PSTN/Supplementary_	services/CFB/510701		
Selection criteria:		The user B is in network N2 and is provided with CFB ("calling user is notified of call		
		d-to number, "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 ir	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:	The stage 1, 2 and 3 specification	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.			

E40700	IODNI (t	Other relevant references		
510702	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12]			
TSS reference:	ISDN-PSTN/Supplementary	_services/CFB/510702		
Selection criteria:	The user B is in network N2	The user B is in network N2 and is provided with CFB ("calling user is notified of call		
	diversion" = Yes, with diverte	ed-to number, "diverting number is released to the diverted-to		
	User" = No).	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 the PSTN subscriber acts like an ISDN-subscriber.			

510703	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/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	umber, "diverting number is released to the diverted-to	
	User" = No).		
Test purpose:	Ensure that when user A calls bus	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:	The stage 1, 2 and 3 specifications	s of the PSTN supplementary services are network	
	operator specific. It is assumed that the PSTN subscriber acts like an ISDN-subscriber.		

6.2.5.8 CFNR

510801	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CFNR/510801
Selection criteria:	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 reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PSTN/Supplementary_s	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 reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CFNR/510803	
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 ("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 the PSTN subscriber acts like an ISDN-subscriber.		

6.2.5.9 UUS1

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

510902	ISDN reference to:	Other relevant references:
	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_service	ces/UUS1/510902
Selection criteria:	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 reference to: ETSI EN 300 138-1 [7]	Other relevant references: ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_ser	ISDN-PSTN/Supplementary_services/CCBS/511001	
Selection criteria:	supplementary service is	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 reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PSTN/Supplementary_servic	es/CCBS/511002
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is a	
	 Signalling procedures at the 	e coincident S and T reference point.
	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 reference to:	Other relevant references:
	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:	 OLE and DLE are sup 	porting the CCBS supplementary service and this
	supplementary service	e 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 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 reference to:	Other relevant references:	
011001	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.1.4.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TSS reference:	ISDN-PSTN/Supplementary_ser	vices/CCBS/511004	
Selection criteria:	 OLE and DLE are support 	rting 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 reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PSTN/Supplementary_serv	ices/CCBS/511005
Selection criteria:	 OLEand 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 network A cannot accept the CCBS request because the CCBS supplementary service is not available to the destination.	
Parameter values:	BC = PIXIT	
Comments:	FACILITY message containing a lacomponent including the CallLinka user A receives a FACILITY mess	CBS Idle state and Retain Active State, on receipt of a Facility information element with a CCBSRequest invoke ageID, but CCBS is not available to the destination, the sage containing a Facility information element with a pnent indicating "shortTermDenial".

511006	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary	_services/CCBS/511006	
Selection criteria:	this supplementary s	 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 in	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	
Parameter values:	BC = PIXIT		
Comments:			

511007	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.2.2	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCBS/511007
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. 	
	- Recall option = PIXIT.	e conficident 3 and 1 reference point.
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:	Bearer capability information element with a CCBSCall invoke concentration previously sent CCBSRemoteUser selected, the network A sends to use	of free state on receipt of SETUP message containing ent from the original call and a Facility information component including the CCBSReference from the Free invoke component, when no B-channels can be ser a RELEASE COMPLETE with the cause #34 or urthermore, network A shall suspend the CCBS

	10011		
511008	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PSTN/Supplementary_s	services/CCBS/511008	
Selection criteria:	 Network A and network 	rk B are supporting the CCBS supplementary service and	
	this supplementary se	ervice is available to user A.	
	 Signalling procedures 	at the coincident S and T reference point.	
	- The network option "C	CCBS request retention" is set to "yes".	
Test purpose:	Ensure that if network B cannot	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 componer	CCBSErase invoke component.	
	Network B shall resume monitoring user B for being not busy.		

511009	ISDN reference to:	Other relevant references:	
	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:		are supporting the CCBS supplementary service and	
	this supplementary service		
		ne coincident S and T reference point.	
	 Network option "CCBS red 	quest retention" is set to "no".	
	 Multipoint configuration. 		
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 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 information element with a CCBSErase invoke component		
	including CCBSEraseREason encoded as "basic-call-failed.		
	User A can activate the CCBS supplementary service again.		

511010	ISDN reference to: ETSI EN 300 138-1 [7],	Other relevant references: ETSI EN 300 356-1 [18]
	clause 9.4.1.2	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCBS/5110010
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 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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511001
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. 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:		

511002	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511002
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. Recall option = PIXIT. Point-to-multipoint configuration applies. 	
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 reference to: ETSI EN 301 065-1 [29]	Other relevant references:
TSS reference:	ISDN-PSTN/Supplementary_service	res/CCNR/511003
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 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 reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_	services/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 reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511105	
Selection criteria:	 OLEand DLE are supporting 	ng the CCNR supplementary service and this	
	supplementary service is a	vailable to user A.	
	 Signalling procedures at th 	e 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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	es/CCNR/511006
Selection criteria:	 Network A and network B a 	are supporting the CCNR supplementary service and
	this supplementary service	
	 Signalling procedures at th 	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 reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_servi	ces/CCNR/511007	
Selection criteria:		are supporting the CCNR supplementary service and	
	this supplementary service	e is available to user A.	
	 Signalling procedures at the state of the st	ne coincident S and T reference point.	
	- Network A supports the specific Recall option.		
Test purpose:	Ensure that if network A cannot accept 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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511008
Selection criteria:	 Network A and network B a 	are supporting the CCNR supplementary service and
	this supplementary service	is available to user A.
		e coincident S and T reference point.
	 Network A supports the glo 	
Test purpose:		cept the request because no B-cannel can selected,
		Alerting 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 reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PSTN/Supplementary_servi	ices/CCNR/511009	
Selection criteria:	 Network A and network B 	are supporting the CCNR supplementary service and	
	this supplementary service	e is available to user A.	
	 Signalling procedures at the state of the st	he coincident S and T reference point.	
	 The network option "CCBs" 	S 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 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.		

511030	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PSTN/Supplementary_service	ces/CCNR/511030
Selection criteria:	 Network A and network B 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. 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 reference to:	Other relevant references:		
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]		
	clause 9.4.1.2			
TSS reference:	ISDN-PSTN/Supplementary_se	ervices/CCNR/511031		
Selection criteria:		B are supporting the CCNR supplementary service and		
	this supplementary serv	this supplementary service is available to user A.		
	 Signalling procedures a 	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			
		expires, the network A sends to user A a FACILITY message containing a Facility		
		information element with a CCBSErase invoke component including CCBSEraseREason		
	encoded as "t-CCBS3-timout".			
Parameter values:	BC = PIXIT			
Comments:				

6.2.5.12 ECT

511201	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19],	
	clause 9.2.1, 9.2.3 and 9.2.4	
TSS reference:	ISDN-PSTN/Supplementary_serv	vices/ECT/511201
Selection criteria:	ECT	
Test purpose:	C are in network N2. Ensure that when user A invokes Call Held auxiliary state and the between user B and user C is es	ecall A-C is in the Active call state - tablished and the calls A-B and A-C are released. The connection is performed from user B. (user B and user COLR).
Parameter values:	BC = PIXIT	
Comments:		

511202	ISDN reference to:	Other relevant references:
	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:	C are in network N2. Ensure that when user A invokes E the call A-C is in the Active call st user B and user C is established an	rided with ECT using implicit linkage. User B and user CT in which the call A-B is in the Active call sate and ate - Call Held auxiliary state , a connection between the calls A-B and A-C are released. The call ection is performed from user C. (user B and user CR).
Parameter values:	BC = PIXIT	
Comments:		

511203	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	ISDN-PSTN/Supplementary_service	ces/ECT/511203
Selection criteria:	ECT	
Test purpose:	C are in network N2. Ensure that when user A invokes I Call Held auxiliary state and the between user B and user C is estanetwork C receives a CONNECT r basic call procedure for the user C	wided with ECT using implicit linkage. User B and user ECT in which the call A-B is in the Active call state - call A-C is in the Call Delivered State a connection blished and the calls A-B and A-C are released. When nessage from user C, network C shall proceed with the . B-C connection is performed from user B.
Parameter values:	BC = PIXIT	
Comments:		

511204	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	ISDN-PSTN/Supplementary_service	ces/ECT/511204
Selection criteria:	ECT	
Test purpose:	C are in network N2. Ensure that when user A invokes E and the call A-C is in the Call Deliv between user B and user C is esta network C receives a CONNECT m	cided with ECT using implicit linkage. User B and user ECT in which the call A-B is in the Active call state vered State - Call Held auxiliary state, a connection blished and the calls A-B and A-C are released. When nessage from user C, network C shall proceed with the The call clearing procedure of the B-C connection is
Parameter values:	BC = PIXIT	
Comments:		

6.2.5.13 HOLD

511301	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	ISDN-PSTN//Supplementary_services/HOLD/511301		
Selection criteria:	The calling user is provided w	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold and that the call can be released from		
	the calling user during the he	the calling user during the held state.	
Parameter values:	BC = PIXIT		
Comments:			

511302	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PSTN//Supplementary_services/HOLD/511302	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, and that the call can be released from	
	the called user in the held stat	e.
Parameter values:	BC = PIXIT	
Comments:		

511303	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PSTN//Supplementary_services/HOLD/511303	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the called remote user is notified of call hold, the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511304	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PSTN//Supplementary_services/HOLD/511303	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold , the called remote user is notified of call	
	hold, the call can be released from the calling user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

6.2.6 Test purposes for PSTN-ISDN, Basic call

6.2.6.1 Successful - PSTN

610101	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.2.6 and B.4	Other relevant references: 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 Recommendation 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:		

610101A	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.2.6 and B.4	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic call/Successful/610101	
Selection criteria:	PSTN XML is not supported from the called AGW/VGW	
Test purpose:	Ensure that call is delivered to the called ISDN user with the Bearer capability information element indicating "3,1 kHz audio".	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#2	
Comments:		

610102	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PSTN-ISDN/Basic_call/Successful/610102	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#2	
Comments:		

610103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PSTN-ISDN/Basic_call/Successful/610103		
Selection criteria:			
Test purpose:	Ensure that the clearing procedure is performed correctly when the called ISDN user clears the call after answering.		
Parameter values:	SETUP: BC = 3,1 kHz audio	SETUP: BC = 3,1 kHz audio; PI#2	
Comments:			

610104	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PSTN-ISDN/Basic_call/Succ	cessful/610104	
Selection criteria:	ISDN = point-to-point Config	juration: with DDI;	
	P-Early-Media header supp	ported in early dialogue	
Test purpose:	call state U03 is sending a C (N10) the voice transfer on t QoS parameters). Ensure that an early dialogu Ensure that in the Call Delivithe media channel is perform	P-Early-Media header supported in early dialogue Ensure that the ISDN user receives a Call Proceeding 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 an early dialogue is established by sending a 183 Session Progress 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</dynamic-pt>	
ISDN Parameter	SETUP: BC = 3,1 kHz audio; PI#2		
values called user:	·	•	

6.2.6.2 Unsuccessful - PSTN

620101	ISDN reference to:	Other relevant references:
020101	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 Recommendation 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 reference to:	Other relevant references
620102		Other relevant references:
	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
		Recommendation 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 reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation 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 reference to:	Other relevant references:	
020.0.	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	
		Recommendation 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 reference to:	Other relevant references:
	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
		Recommendation 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 reference to:	Other relevant references:
	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
		Recommendation 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 reference to:	Other relevant references:	
	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_serv	PSTN-ISDN/Supplementary_services/CLIP/710101	
Selection criteria:	The called (served) user is provide	The called (served) user is provided with CLIP.	
Test purpose:	correctly delivered to the called IS	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 =	SI = NP, N = international (or N = unknown)	
Comments:			

6.2.7.2 CLIR

710201	ISDN reference to:	Other relevant references:
	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_service	ces/CLIR/710201
Selection criteria:	The calling (served) user is provided with CLIR, the called user with CLIP.	
Test purpose:	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 interworking".	
Parameter values:	SI = NP, (PI = PR), N = unknown, NPI = unknown	
Comments:		

6.2.7.3 CFU

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

6.2.7.4 CFB

710401	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	PSTN-ISDN/Supplementary_	services/CFB/710401	
Selection criteria:	The user A and the user C are CFB-UDUB.	e in PSTN. The user B is in the ISDN and is provided with	
Test purpose:	The ISDN user B is in networl	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-UDUB. Ensure that when user A calls busy user B, the call is forwarded to user C. User B is not	
Parameter values:	CFB-UDUB active		
Comments:			

710402	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/CFB/710402
Selection criteria:	The user A and the user C are in P CFB-NDUB.	STN. The user B is in the ISDN and is provided with
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 reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	PSTN-ISDN/Supplementary_se	ervices/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, who does not answered, the call is forwarded to user C.	
Parameter values:	CFNR active		
Comments:			

6.2.7.6 MCID

710601	ISDN reference to:	Other relevant references:	
	ETSI EN 300 130-1 [14]		
TSS reference:	PSTN-ISDN/Supplementary_se	ervices/MCID/710601	
Selection criteria:	Called user is provided with MC	CID.	
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 cal	l state.	
Parameter values:			
Comments:			

6.2.7.7 CUG

710701	ISDN reference to: ETSI EN 300 138-1 [7], clause 9.2.3	Other relevant references:
TSS reference:	PSTN-ISDN/Supplementary_serv	ices/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 reference to: ETSI EN 300 138-1 [7] Other relevant references: ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCBS/710801	
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 at user B. 	
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 reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	PSTN-ISDN/Supplementary_serv	vices/CCBS/710802
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 user B. 	
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 reference to: ETSI EN 300 138-1 [7], clause 9.2.1 Other relevant references: ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCBS/710803	
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 user A after the after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

710804	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.2.1	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/CCBS/710804
Selection criteria:	supplementary service is a	ng the CCBS supplementary service and this vailable to user A. e coincident S and 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:		

710805	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.2.1	
TSS reference:	PSTN-ISDN/Supplementary_set	rvices/CCBS/710805
Selection criteria:	supplementary service i	orting the CCBS supplementary service and this s available to user A. 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 reference to: ETSI EN 300 138-1 [7]	Other relevant references: ETSI EN 300 356-1 [18]
TSS reference:	PSTN-ISDN/Supplementary_s	ervices/CCBS/710806
Selection criteria:	supplementary service	orting the CCBS supplementary service and this is available to user A. at the coincident S and T reference point.
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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/710901	
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 at user B. 	
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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	PSTN-ISDN/Supplementary_services/CCNR/710902	
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 can establish a successful CCNR call to user B.	
Parameter values:		
Comments:		

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

710904	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	PSTN-ISDN/Supplementary_	PSTN-ISDN/Supplementary_services/CCNR/710904	
Selection criteria:	supplementary servic	supplementary service is available to user A.	
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.		
Parameter values:			
Comments:			

710905	ISDN reference to:	Other relevant references:
	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.	
		e 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 reference to: ETSI EN 301 065-1 [29]	Other relevant references:	
TSS reference:	PSTN-ISDN/Supplementary_ser	PSTN-ISDN/Supplementary_services/CCNR/710906	
Selection criteria:	supplementary service is	rting the CCNR supplementary service and this s available to user A. the 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 reference to: ETSI EN 300 403-1 [1],	Other relevant references:
	clause 5.1.5.2	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/DDI/711001
Selection criteria:	Overlap sending at user A.DDI at user B.	
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 reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:	
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 A-B is in the Active call state -		
	Call Held auxiliary state and the call B-C is in the Active call state 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 reference to:	Other relevant references:	
	ETSI EN 300 369-1 [19], clause 9		
TSS reference:	PSTN-ISDN/Supplementary_service	ces/ECT/711102	
Selection criteria:			
Test purpose:	PLMN user A and PLMN user C ar Ensure that when user B invokes E the call B-C is in the Active call st user A and user C is established a	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-C is in the Active call state - Call Held auxiliary state , 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 reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	ces/ECT/711102
Selection criteria:		
Test purpose:	that when user B invokes ECT in wauxiliary state and the call B-C is A and user C is established and the receives a CONNECT message from procedure for the user C.	and is provided with ECT using implicit linkage. Ensure thich the call A-B is in the Active call state - Call Held in the Call Delivered State a connection between user e calls A-B and B-C are released. When network C om user C, network C shall proceed with the basic call B-C connection is performed from user B.
Parameter values:		
Comments:		

711103	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	PSTN-ISDN/Supplementary_service	es/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 A-B is in the Active call state and the call B-C is in the Call Delivered State - Call Held auxiliary state , 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:		

6.2.7.12 HOLD

711201	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PSTN -ISDN/Supplementary_	PSTN -ISDN/Supplementary_services/HOLD/711201	
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 = PIXIT		
Comments:			

711202	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PSTN-ISDN/Supplementary_services/HOLD/711202	
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 = PIXIT	
Comments:		

711203	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PSTN-ISDN/Supplementary_services/HOLD/711203	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

711204	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.1912.5 [35], annex B.10
		ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PSTN-ISDN/Supplementary_services/HOLD/711203	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the calling	
	user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

6.2.8 Test purposes for PES - ISDN, Basic call

6.2.8.1 Successful - PES

Successful
PES

810101	ISDN reference to:	Other relevant references:	
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5	
	clauses 5.2.6 and B.4	ETSI TS 183 036 [42], clause 5.1.2	
		ETSI EN 300 899-1 [37], clause 2.2	
		Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PES-ISDN/Basic_call/Succe	PES-ISDN/Basic_call/Successful/810101	
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"		
Parameter values:	SETUP: BC = 3,1 kHz audio	; PI#1 "call is not end-to-end ISDN"	
Comments:			

810101A	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41], clauses 5.2.7 and 5.3.5.5
	clauses 5.2.6 and B.4	ETSI TS 183 036 [42], clause 5.1.2
		ETSI EN 300 899-1 [37], clause 2.2
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful/810101	
Selection criteria:	PSTN XML is not supported from the called AGW/VGW	
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"	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
Comments:		call is flot effu-to-effu ISDIN

810102	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful/810102	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears the call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
Comments:		

810103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successful/810103	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called ISDN user clears the call after answering.	
Parameter values:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	
Comments:		

810104	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Successfu	1/810104
Selection criteria:	ISDN = point-to-point Configuration: with DDI; P-Early-Media header supported in early dialogue	
Test purpose:	Ensure that the ISDN user receives a Call Proceeding 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 an early dialogue is established by sending a 183 Session Progress Ensure that in the Call Delivered call state U4 the transfer of tone or announcement on the media channel is performed correctly.	
ISDN Parameter values called user:	SETUP: BC = 3,1 kHz audio; PI#1 "call is not end-to-end ISDN"	

6.2.8.2 Unsuccessful - PES

820101	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PES-ISDN/Basic_call/Unsuc	PES-ISDN/Basic_call/Unsuccessful/820101	
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:			

820102	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820102	
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:		

222422	Tionni (lou
820103	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820103	
Selection criteria:		
Test purpose:	Ensure that when calling to u	nallocated ISDN number, the calling user receives in-band
	information that the called number is unallocated.	
Parameter values:		
Comments:		

820104	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PES-ISDN/Basic_call/Unsuc	PES-ISDN/Basic_call/Unsuccessful/820104	
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:			

820106	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2	
TSS reference:	PES-ISDN/Basic_call/Unsuc	PES-ISDN/Basic_call/Unsuccessful/820106	
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:			

820105	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 2.2
TSS reference:	PES-ISDN/Basic_call/Unsuccessful/820105	
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:		

6.2.9 Test purposes for PES-ISDN, Supplementary services

6.2.9.1 CLIP

910101	ISDN reference to:	Other relevant references:
	ETSI EN 300 092-1 [3],	ETSI TS 183 036 [42], clause 5.2.3
	clauses 9.5.1 and 11	
TSS reference:	PES-ISDN/Supplementary_service	s/CLIP/910101
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:		

6.2.9.2 CLIR

910201	ISDN reference to:	Other relevant references:
	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:	PES-ISDN/Supplementary_service	s/CLIR/910201
Selection criteria:	The calling (served) user is provided with CLIR, the called user with CLIP.	
Test purpose:	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 interworking".	
Parameter values:	SI = NP, $(PI = PR)$, $N = unknown$, $N = unknown$	NPI = unknown
Comments:		

6.2.9.3 CFU

910301	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PES-ISDN/Supplementary_serv	rices/CFU/910301
Selection criteria:	The user A and the user C are in CFU.	n PSTN. The user B is in the ISDN and is provided with
Test purpose:	Ensure that when user A calls u	ser B, the call is forwarded to user C.
Parameter values:	CFU active	
Comments:		

6.2.9.4 CFB

910401	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	PES-ISDN/Supplementary_service	s/CFB/910401	
Selection criteria:	The user A and the user C are in P	The user A and the user C are in 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 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:			

910402	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PES-ISDN/Supplementary_services/CFB/910402	
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:		

6.2.9.5 CFNR

910501	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	PES-ISDN/Supplementary_service	es/CFNR/910501
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,	who does not answered, the call is forwarded to user C.
Parameter values:	CFNR active	
Comments:		

6.2.9.6 MCID

910601	ISDN reference to:	Other relevant references:
	ETSI EN 300 130-1 [14]	
TSS reference:	PES-ISDN/Supplementary_service	s/MCID/910601
Selection criteria:	Called user is provided with MCID.	
Test purpose:	Ensure that the call to an ISDN use the called user in the Active call sta	er is registered when the MCID service is requested by late.
Parameter values:		
Comments:		

6.2.9.7 CUG

910701	ISDN reference to: ETSI EN 300 138-1 [7], clause 9.2.3	Other relevant references:	
TSS reference:	PES-ISDN/Supplementary_service	es/CUG/910701	
Selection criteria:	Called user belongs to a CUG with member of the CUG.	Called user belongs to a CUG with incoming access not allowed and calling user is not member of the CUG.	
Test purpose:		user belongs to a CUG with incoming access "not mber of the CUG, the call is not established.	
Parameter values:			
Comments:			

6.2.9.8 CCBS

910801	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	PES-ISDN/Supplementary_s	services/CCBS/910801
Selection criteria:	supplementary servi	upporting the CCBS supplementary service and this ice is available to user A. es at the coincident S and T reference point at user B.
Test purpose:	Ensure that user A after the successful CCBS Activation can establish a successful CCBS call to user B.	
Parameter values:		
Comments:		

910802	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PES-ISDN/Supplementary_se	PES-ISDN/Supplementary_services/CCBS/910802	
Selection criteria:	 OLE and DLE are sup 	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service	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 CCBS Activation can establish a successful		
	CCBS call to user B.		
Parameter values:			
Comments:			

910803	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	PES-ISDN/Supplementary_services	/CCBS/910803	
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 user A after the after the successful CCBS Activation procedure can initiate		
	the deactivation procedure.		
Parameter values:			
Comments:			

910804	ISDN reference to: ETSI EN 300 138-1 [7], Other relevant references: ETSI EN 300 356-1 [18]	
	clause 9.2.1	
TSS reference:	PES-ISDN/Supplementary_services/CCBS/910804	
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 at user B. 	
Test purpose:	Ensure that user A after the successful CCBS Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

910805	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	PSTN-ISDN/Supplementary	_services/CCBS/910805	
Selection criteria:	 OLE and DLE are s 	upporting the CCBS 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 CCBS Activation procedure can initiate the		
	deactivation procedure.		
Parameter values:			
Comments:			

910806	ISDN reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	PSTN-ISDN/Supplementary_	PSTN-ISDN/Supplementary_services/CCBS/910806	
Selection criteria:	supplementary servi	pporting the CCBS supplementary service and this ce is available to user A. s at the coincident S and T reference point.	
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:			

6.2.9.9 CCNR

910901	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:	
TSS reference:	PSTN-ISDN/Supplementary_se	PSTN-ISDN/Supplementary_services/CCNR/910901	
Selection criteria:	supplementary service i	orting the CCNR supplementary service and this s available to user A. t the coincident S and T reference point at user B.	
Test purpose:	Ensure that user A after the successful CCNR Activation can establish a successful CCNR call to user B.		
Parameter values:			
Comments:			

910902	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	PES-ISDN/Supplementary_ser	vices/CCNR/910902	
Selection criteria:	supplementary service	 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 can establish a successful CCNR call to user B.		
Parameter values:			
Comments:			

910903	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:
TSS reference:	PES-ISDN/Supplementary_service	es/CCNR/910903
Selection criteria:	supplementary service is a	ing the CCNR supplementary service and this available to user A. ne coincident S and T reference point.
Test purpose:	Ensure that user A after the after the successful CCNR Activation procedure can initiate the deactivation procedure.	
Parameter values:		
Comments:		

910904	ISDN reference to: Other relevant references: ETSI EN 301 065-1 [29]		
TSS reference:	PES-ISDN/Supplementary_services/CCNR/910904	PES-ISDN/Supplementary_services/CCNR/910904	
Selection criteria:	 OLE and DLE are supporting the CCNR supplementary sets supplementary service is available to user A. Signalling procedures at the coincident S and T reference 		
Test purpose:	Ensure that user A after the successful CCNR Activation procedure can initiate the deactivation procedure.		
Parameter values:			
Comments:			

910905	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	PES-ISDN/Supplementary_service	es/CCNR/910905
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:		

910906	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	PES-ISDN/Supplementary_service	s/CCNR/910906
Selection criteria:	OLEand DLE are supporting the CCNR supplementary service and this	
	supplementary service is available to user A.	
	 Signalling procedures at the 	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:		

6.2.9.10 DDI

911001	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	
	clause 5.1.5.2	
TSS reference:	PES-ISDN/Supplementary_services/DDI/911001	

Selection criteria:	- Overlap sending at user A.
	- DDI at user B.
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.

6.2.9.11 ECT

911103	ISDN reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	PES-ISDN/Supplementary_service	s/ECT/911103
Selection criteria:		
Test purpose:	PLMN user A and the PLMN user C Ensure that when user B invokes E Call Held auxiliary state and the C between user A and user C is estal	and is provided with ECT using implicit linkage. The C are in network N1. ECT in which the call A-B is in the Active call state - call B-C is in the Active call state a connection blished and the calls A-B and B-C are released. The connection is performed from user B.
Parameter values:		
Comments:		

911102	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PES-ISDN/Supplementary_service	es/ECT/911102
Selection criteria:		
Test purpose:	PLMN user A and PLMN user C ar Ensure that when user B invokes E the call B-C is in the Active call st	CT in which the call A-B is in the Active call sate and ate - Call Held auxiliary state, a connection between nd the calls A-B and B-C are released. The call
Parameter values:		
Comments:		

911102	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PES-ISDN/Supplementary_service	s/ECT/911102
Selection criteria:		
Test purpose:	that when user B invokes ECT in wauxiliary state and the call B-C is A and user C is established and the receives a CONNECT message from procedure for the user C.	and is provided with ECT using implicit linkage. Ensure which the call A-B is in the Active call state - Call Held in the Call Delivered State a connection between user e calls A-B and B-C are released. When network Commuser C, network C shall proceed with the basic call B-C connection is performed from user B.
Parameter values:		
Comments:		

911103	ISDN reference to:	Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	PSTN-ISDN/Supplementary_service	es/ECT/911103
Selection criteria:		

	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 A-B is in the Active call state and the call B-C is in the Call Delivered State - Call Held auxiliary state , 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:	

6.2.9.12 HOLD

911201	ISDN reference to: ETSI EN 300 141-1 [16],	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1	
	clause 7	ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PES-ISDN/Supplementary_services/HOLD/911201		
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 = PIXIT	BC = PIXIT	
Comments:			

911202	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PES-ISDN/Supplementary_s	PES-ISDN/Supplementary_services/HOLD/911202	
Selection criteria:	The calling user is provided v	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 = PIXIT		
Comments:			

911203	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	PES-ISDN/Supplementary_services/HOLD/911203	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

911204	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.1912.5 [35], annex B.10	
		ETSI TS 129 163 [40], clause 7.4.10	
TSS reference:	PES-ISDN/Supplementary_s	PES-ISDN/Supplementary_services/HOLD/911203	
Selection criteria:	The calling user is provided v	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the call can be released from the calling user in the held state.		
Parameter values:	BC = PIXIT		
Comments:			

6.2.10 Test purposes for ISDN-PES, Basic call

6.2.10.1 Successful-Speech

1010101	ISDN reference to:	Other relevant references:	
	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], cause 3.2	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Succe	ISDN-PES/Basic_call/Successful/Speech/1010101	
Selection criteria:	PSTN XML and early media	PSTN XML and early media are supported from the calling AGW/VGW	
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".		
Parameter values:	BC = speech, no HLC		
Comments:			

1010101A	ISDN reference to:	Other relevant references:		
	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], cause 3.2		
		Recommendation ITU-T Q.699 [24], clause 3.2		
TSS reference:	ISDN-PES/Basic_call/Succe	ISDN-PES/Basic_call/Successful/Speech/1010101		
Selection criteria:	PSTN XML is not supported	PSTN XML is not supported from the calling AGW/VGW		
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".			
Parameter values:	BC = speech, no HLC			
Comments:				

1010102	ISDN reference to:	Other relevant references:
	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], cause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful	l/Speech/1010102
Selection criteria:	PSTN XML and early media are	supported from the calling AGW/VGW
Test purpose:	call establishment a Progress ind	nt using overlap sending is performed correctly. During dicator information element shall be returned to the option value #1 "call is not end-to-end ISDN".
Parameter values:	BC = speech, no HLC	
Comments:		
Test Procedures		Expected Results
A dials digit by digit dial	all digits of B's number	AGCF forwards INVITE after interdigit timeout - the call is successful
A dials digit by digit dial	all digits of B's number	AGCF forwards INVITE after interdigit timeout - the call
A dials digit by digit dial	all digits of B's number and	AGCF forwards INVITE after interdigit timeout - the call is successful
A dials digit by digit dial A dials digit by digit dial	all digits of B's number and nding complete"	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending
A dials digit by digit dial A dials digit by digit dial additional digits and "sei	all digits of B's number and nding complete"	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful
A dials digit by digit dial A dials digit by digit dial additional digits and "ser A dials enbloc all digits of	all digits of B's number and nding complete"	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after interdigit timeout - the call
A dials digit by digit dial A dials digit by digit dial additional digits and "ser A dials enbloc all digits of digits	all digits of B's number and nding complete" of B's number	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after interdigit timeout - the call
A dials digit by digit dial A dials digit by digit dial additional digits and "ser A dials enbloc all digits of digits	all digits of B's number and nding complete" of B's number of B's number and additional of B's number and additional	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful
A dials digit by digit dial A dials digit by digit dial additional digits and "see A dials enbloc all digits of digits A dials enbloc all digits of digits A dials enbloc all digits of digits and after 3 sec "see	all digits of B's number and nding complete" of B's number of B's number and additional of B's number and additional	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful
A dials digit by digit dial A dials digit by digit dial additional digits and "ser A dials enbloc all digits of digits A dials enbloc all digits of digits A dials enbloc all digits of digits and after 3 sec "ser A dials enbloc all digits of digits and "sending com	all digits of B's number and nding complete" of B's number of B's number and additional of B's number and additional ending complete" of B's number and additional	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful
A dials digit by digit dial A dials digit by digit dial additional digits and "ser A dials enbloc all digits of digits A dials enbloc all digits of digits A dials enbloc all digits of digits and after 3 sec "ser A dials enbloc all digits of digits and "sending com	all digits of B's number and nding complete" of B's number and additional of B's number and additional ending complete" of B's number and additional ending complete of B's number and additional olete of B's number and additional olete of B's number and after 3 sec	AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after interdigit timeout - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful

1010102A	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.1.6	Other relevant references: ETSI TS 183 043 [41], clause 5.3.5.5 ETSI TS 183 036 [42], clause 5.1
	clause 5.1.6	ETSLTS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], cause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
3 reference:	ISDN-PES/Basic_call/Successful	I/Speech/1010102A
ection criteria:	PSTN XML is not supported from	n the calling AGW/VGW
t purpose:	Ensure that the call establishmen	nt using overlap sending is performed correctly
ameter values:	BC = speech, no HLC	
nments:	·	
Test	est Procedures	Expected Results
als digit by digit dial	ial all digits of B's number	AGCF forwards INVITE after interdigit timeout - the call
		is successful
als digit by digit dial	ial all digits of B's number and	AGCF forwards INVITE after interdigit timeout - the call
itional digits		is successful
A dials enbloc all digits of B's number		AGCF forwards INVITE after interdigit timeout - the call
		is successful
als enbloc all digits o	ts of B's number and additional	AGCF forwards INVITE after interdigit timeout - the call
digits		is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after receiving "sending
digits and after 3 sec "sending complete"		complete" - the call is successful
A dials enbloc all digits of B's number and additional		AGCF forwards INVITE after receiving "sending
digits and "sending complete"		complete" - the call is successful
A dials enbloc three digits of B's number and after 3 sec		AGCF forwards INVITE after interdigit timeout - the call
further digits (digit by digit)		is successful
Test als digit by digit dial a als digit by digit dial a als digit by digit dial a itional digits als enbloc all digits o als enbloc all digits o als enbloc all digits o as and after 3 sec "se als enbloc all digits o as and after 3 sec "se als enbloc all digits o as and "sending comp als enbloc three digit	est Procedures ial all digits of B's number ial all digits of B's number and its of B's number its of B's number and additional its of B's number and additional "sending complete" its of B's number and additional complete digits of B's number and additional complete digits of B's number and after 3 sec	AGCF forwards INVITE after interdigit timeout - the dis successful AGCF forwards INVITE after interdigit timeout - the dis successful AGCF forwards INVITE after interdigit timeout - the dis successful AGCF forwards INVITE after interdigit timeout - the dis successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful AGCF forwards INVITE after receiving "sending complete" - the call is successful

1010103	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010103	
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:		

1010104	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.3.3	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Speech/1010104	
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:		

1010105	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1]	ETSI TS 183 043 [41]
		ETSI TS 183 036 [42]
TSS reference:	ISDN-PES/Basic_call/Succe	essful/Speech/1010105
Selection criteria:		
Test purpose:	Ensure that the re-answer pr	rocedure is performed correctly when the called user clears
	and re-answers	
Parameter values:	BC = speech, no HLC	
Comments:		

1010106	ISDN reference to:	Other relevant references:
	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-PES/Basic_call/Successful/S	Speech/1010106
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".	
Parameter values:	BC = speech, HLC = telephony	
Comments:		

6.2.10.2 Successful-Audio

1010201	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010201	
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".	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

1010202	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/	Audio/1010202
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".	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

1010203	ISDN reference to: ETSI EN 300 403-1 [1], clause 5.3.3	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010203	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the calling user clears after answer	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

1010204	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010204	
Selection criteria:		
Test purpose:	Ensure that the clearing procedure is performed correctly when the called user clears after answer	
Parameter values:	BC = 3,1 kHz audio, no HLC	
Comments:		

1010205	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010205	
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".	
Parameter values:	BC = 3,1 kHz audio, HLC = facsimile group 2/3	
Comments:		

1010206	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Successful/Audio/1010206	
Selection criteria:		
Test purpose:	Support of voice band data via mod	dem: Ensure that call establishment can be done with
	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".	
Parameter values:	BC = 3,1 kHz audio, LLC = voice b	and data via modem
Comments:		

6.2.10.3 Successful-UDI/TA

1010301	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Successf	ul/UDI-TA/1010301	
Selection criteria:	 Telephony UDI-TA tele 	- Telephony UDI-TA teleservice;	
	 Fallback allowed. 		
Test purpose:	Ensure that the call establishment is performed correctly when a telephony		
	7 kHz fallback allowed SETUP	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 allowed SETUP message: A SETUP message containing two		
	BCs, with the first BC = speech	and the second BC = UDI/TA, a HLC = telephony	

1010302	ISDN reference to: ETSI EN 300 267-1 [2], clause 6.5.2	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Succe	
Selection criteria:	Videotelephony telesFallback allowed.	service;
Test purpose:	Ensure that the call establishment is performed correctly when a videotelephony 7 kHz fallback allowed SETUP message 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.	

6.2.10.4 Unsuccessful-Speech

1020101	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020101	
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:		

1020102	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020102	
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 = speech	
Comments:		

1020103	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Speech/1020103	
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 = speech	
Comments:		

1020104	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucc	ISDN-PES/Basic_call/Unsuccessful/Speech/1020104	
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 = speech		
Comments:			

6.2.10.5 Unsuccessful-UDI

1000001	lional (
1020201	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/UDI/1020201	
Selection criteria:			
Test purpose:	Ensure that when the calling	user requests digital connectivity for a call to a PSTN user,	
	the network initiate call clear	the network initiate call clearing to the calling user with cause value #63 "service or option	
	not available, unspecified" or cause value #65 "bearer capability not implemented".		
Parameter values:	BC = UDI		
Comments:			

6.2.10.6 Unsuccessful-audio

1020301	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Audio/1020301	
Selection criteria:		
Test purpose:	Ensure that when the called PSTI	N user is busy the network transport the cause value
	#17 "user busy" to the calling user.	
Parameter values:	BC = 3,1 kHz audio	
Comments:		

1020302	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Audio/1020302	
Selection criteria:		
Test purpose:	Ensure that when calling to 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:		

1020303	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Audio/1020303	
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:		

1020304	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/Audio/1020304	
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:		

6.2.10.7 Unsuccessful-UDI/TA

1020401	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucce	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020401	
Selection criteria:	- Telephony UDI-TA teleservice;		
	 Fallback not allowed. 		
Test purpose:	Ensure that when a telephony	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 not allowed SETUP message: A SETUP message containing	
	a single BCs with the BC = UD	DI/TA and a single HLC = telephony	

1020402	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020402	
Selection criteria:	 Videotelephony teles 	- Videotelephony teleservice;	
	 Fallback not allowed 		
Test purpose:	Ensure that when a videotele	ephony 7 kHz fallback not allowed SETUP message is sent to	
	the network, the network sha	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 fallb	videotelephony 7 kHz fallback not allowed SETUP message: A SETUP message	
	containing a single BC = UD	containing a single BC = UDI/TA and a single HLC = videotelephony_ic	

1020403	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020403	
Selection criteria:	- Telephony UDI-TA teleservice;	
	 Fallback not allowed. 	
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 = telephony	
Comments:		

1020404	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020404	
Selection criteria:	- Telephony UDI-TA teleservice;	
	- Fallback not 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:		

1020405	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020405	
Selection criteria:	- Telephony UDI-TA teleservice;	
	 Fallback not allowed. 	
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 = telephony	
Comments:		

1020406	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucce	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020406	
Selection criteria:	- Telephony UDI-TA teleservice;		
	 Fallback not allowed. 		
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:			

1020407	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessfu	ul/UDI-TA/1020407
Selection criteria:	- Telephony UDI-TA teleservice;	
	- Fallback not allowed.	
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:		

1020408	ISDN reference to:	Other relevant references:
	ETSI EN 300 403-1 [1],	ETSI TS 183 043 [41],clause 5.3.5.5
	clause G.1.13	ETSI TS 183 036 [42], clause 5.1
		ETSI EN 300 899-1 [37], clause 3.2
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020408	
Selection criteria:	- Telephony UDI-TA teleservice;	
	 Fallback not 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:		

	liani.	Tour I i d	
1020409	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020409	
Selection criteria:	- Telephony UDI-TA teleservice;		
	 Fallback not allowed 		
Test purpose:	Ensure that when the called	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 = telepho	BC = UDI/TA, HLC = telephony	
Comments:			

1020410	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsuccessful/UDI-TA/1020410	
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:		

1020411	ISDN reference to:	Other relevant references:	
1020411			
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucc	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020411	
Selection criteria:	 Telephony UDI-TA te 	- Telephony UDI-TA teleservice;	
	 Fallback allowed 		
Test purpose:	Ensure that when a telephony 7 kHz fallback not allowed SETUP message is sent to the		
	network, the network shall ini	network, the network shall initiate call clearing to the calling user with cause value #65	
	"bearer capability not implemented".		
Parameter values:	! SETUP		
	BC1 = speech	BC1 = speech	
	BC2 = UDI with TA	· ·	
	HLC = telephony		
Comments:			

1020412	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsuc	cessful/UDI-TA/1020412	
Selection criteria:	 Videotelephony teles 	- Videotelephony teleservice;	
	 Fallback allowed. 		
Test purpose:	Ensure that when a videotelephony 7 kHz fallback not allowed SETUP message is sent to		
	the network, the network sha	the network, the network shall initiate call clearing to the calling user with cause value #65	
	"bearer capability not implemented".		
Parameter values:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

1020413	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Basic_call/Unsucc	cessful/UDI-TA/1020413	
Selection criteria:	- Telephony UDI-TA teleservice;		
	 Fallback allowed. 		
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:	! SETUP		
	BC1 = speech		
	BC2 = UDI with TA		
	HLC = telephony		
Comments:			

1020414	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuc	cessful/UDI-TA/1020414
Selection criteria:	- Telephony UDI-TA te	eleservice;
	 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:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

1020415	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessful/UDI-TA/1020415	
Selection criteria:	- Telephony UDI-TA teleservice;	
	- Fallback allowed.	
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony
Comments:	TILO – telephony

	_	
1020416	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccessf	ful/UDI-TA/1020416
Selection criteria:	 Telephony UDI-TA telese 	rvice;
	 Fallback allowed. 	
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	
		#19 "no user responding (user alerted)".
Parameter values:	! SETUP	
	BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

1020417	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccess	ful/UDI-TA/1020417
Selection criteria:	 Telephony UDI-TA telese 	ervice;
	 Fallback allowed. 	
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:	r values: ! SETUP BC1 = speech	
	BC2 = UDI with TA	
	HLC = telephony	
Comments:		

1020418	ISDN reference to: ETSI EN 300 403-1 [1], clause G.1.13	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsuccess	
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:	-	

1020419	ISDN reference to: ETSI EN 300 403-1 [1], clauses 5.2.2 and G.5.7	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Basic_call/Unsucces	ssful/UDI-TA/1020419
Selection criteria:	Telephony UDI-TA telesFallback allowed.	service;
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

1020420	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PSTN/Basic_call/Unsucc	cessful/UDI-TA/1020420
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:	! SETUP BC1 = speech BC2 = UDI with TA HLC = telephony	
Comments:		

6.2.11 Test purposes for ISDN-PES, Supplementary services

6.2.11.1 CLIP

1110101	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_services/CLIP/TC1110101	
Selection criteria:	The called user is provided with	n CLIP.
Test purpose:	Ensure that when the Calling party subaddress is provided by the calling user, the Calling party number is correctly delivered to the called (served) user.	
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:		

1110102	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_service	es/CLIP/TC1110102
Selection criteria:	The called user is provided with CI	LIP.
Test purpose:	Ensure that when no Calling party subaddress is provided by the calling user, the Calling	
		is network provided and correctly delivered to the
	called (served) user.	
Parameter values:	BC = PIXIT	
Comments:		

6.2.11.2 CLIR

1110201	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_services/CLIP/TC1110201	
Selection criteria:	- the called user is provided with CLIP;	
	 the calling user is pro 	
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 to the called user.	
Parameter values:	BC = PIXIT, Calling party subaddress	
Comments:		

1110202	ISDN reference to: ETSI EN 300 403-1 [1]	Other relevant references: 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 Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_service	
Selection criteria:	 the called user is provided the calling user is provided 	with CLIP,
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:		

6.2.11.3 COLP

1110301	ISDN reference to:	Other relevant references:	
	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	
		Recommendation ITU-T Q.699 [24], clause 3.2	
TSS reference:	ISDN-PES/Supplementary_s	ISDN-PES/Supplementary_services/COLP/1110301	
Selection criteria:	The calling user is provided	The calling user is provided with COLP.	
Test purpose:	Ensure that the Connected r	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	BC = PIXIT, SI = NP	
Comments:			

6.2.11.4 COLR

1110401	ISDN reference to:	Other relevant references:
	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
		Recommendation ITU-T Q.699 [24], clause 3.2
TSS reference:	ISDN-PES/Supplementary_ser	vices/COLR/1110401
Selection criteria:	- the called PSTN user is provided with COLR;	
	 the calling user is pro- 	vided with COLP.
Test purpose:	Ensure that the Connected nur	mber 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 = NF	P, N = unknown, NPI = unknown
Comments:		

6.2.11.5 CUG

1110501	ISDN reference to: ETSI EN 300 138-1 [7],	Other relevant references:
	clauses 9.2.2 and 9.2.4	
TSS reference:	ISDN-PES/Supplementary_service	s/CUG/1110501
Selection criteria:	Orign.:CUG supplementary options: not OA; not ocb; not Preference CUG Term.: ISDN user is not member of a CUG	
Test purpose:	 not allowed, not outgoing calls barred v not preferential CUG and call establishment is not possible a 	within the CUG and the called PSTN user is not member of a CUG, and the network initiate call clearing to the calling user ed", return error value "userNotMemberOfCUG".
Parameter values:	Orign.: BC = PIXIT; Facility IE with - OARequested set to TRU - CUG Index included	
Comments:		

1110502	ISDN reference to: ETSI EN 300 138-1 [7], clauses 9.2.2 and 9.2.4	Other relevant references:
TSS reference:	ISDN-ISDN/Supplementary_service	es/CUG/1110502
Selection criteria:		a CUG with the following CUG supplementary options:
Test purpose:	the called PSTN user is no call establishment is not possible a	within the CUG and not preferential CUG and
Parameter values:	BC = PIXIT; Facility IE with CUGCa - OARequested set to TRUI - CUG Index included	all invoke component:
Comments:		

1110503	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	
	clauses 9.2.2 and 9.2.4	
TSS reference:	ISDN-PES/Supplementary_service	s/CUG/11100503
Selection criteria:	Orign.: The calling user belongs to	a CUG with the following CUG
	supplementary options: OA; not oc	b; not Preference 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 CU	G and not preferential CUG and the and the called
	PSTN user is not member of a CUC	G, call establishment to a PSTN user is possible.
Parameter values:	BC = PIXIT; Facility IE with CUGCall invoke component:	
	 OARequested set to TRUI 	
	 CUG Index not included 	
Comments:		

6.2.11.6 CFU

1110601	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PES/Supplementary_service	es/CFU/1110601
Selection criteria:		network N1. The user B is in network N2 and is provided of call diversion" = Yes, with diverted-to number, e 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 presentation 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.	

1110601A	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PES/Supplementary_service	es/CFU/1110601	
Selection criteria:	The user A and the user C are in n	The user A and the user C are in network N1. The user B is in network N2 and is provided	
		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, 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, CFU active		
Comments:	The stage 1, 2 and 3 specifications	The stage 1, 2 and 3 specifications of the PSTN supplementary services are network	
	operator specific. It is assumed that	at the PSTN subscriber acts like an ISDN-subscriber.	

1110602	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PES/Supplementary_service	s/CFU/1110602
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.	

1110603	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PES/Supplementary_service	s/CFU/1110603
Selection criteria:	The user B is in network N2 and is provided with CFU ("calling user is notified of call	
		mber, "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.	

6.2.11.7 CFB

1110701	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PES/Supplementary_se	ervices/CFB/1110701
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).	
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:	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.	

1110702	ISDN reference to:	Other relevant references:
	ETSI EN 300 207-1 [12]	
TSS reference:	ISDN-PES/Supplementary_service	s/CFB/1110702
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:		of the PSTN supplementary services are network the PSTN subscriber acts like an ISDN-subscriber.

1110703	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PES/Supplementary_services/CFB/1110703		
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 number, "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 and C are not notified of call diversion.		
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 the PSTN subscriber acts like an ISDN-subscriber.		

6.2.11.8 CFNR

1110801	ISDN reference to:	Other relevant references:		
	ETSI EN 300 207-1 [12]			
TSS reference:	ISDN-PES/Supplementary_services/CFNR/1110801			
Selection criteria:	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.			

1110802	ISDN reference to: ETSI EN 300 207-1 [12]	Other relevant references:		
TSS reference:	ISDN-PES/Supplementary_service	ISDN-PES/Supplementary_services/CFNR/1110802		
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.			

1110803	ISDN reference to:	Other relevant references:	
	ETSI EN 300 207-1 [12]		
TSS reference:	ISDN-PES/Supplementary_services/CFNR/1110803		
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" = 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 ca	I 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.	

6.2.11.9 UUS1

1110901	ISDN reference to: ETSI EN 300 286-1 [10], clauses 11.2 and 9.1.1.1.2	Other relevant references:
TSS reference:	ISDN-PES/Supplementary_service	s/UUS1/1110901
Selection criteria:	The calling (served) user is provided with UUS1 implicit request.	
Test purpose:		mation element is included in the SETUP message blishment can be done without User-user information.
Parameter values:	BC = PIXIT	
Comments:		

1110902	ISDN reference to:	Other relevant references:	
	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-PES/Supplementary_servic	es/UUS1/1110902	
Selection criteria:	The calling (served) user is provid	The calling (served) user is provided with UUS1 explicit request.	
Test purpose:	initiate call clearing to the calling u	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	
Parameter values:	BC = PIXIT		
Comments:			

6.2.11.10 CCBS

511001	ISDN reference to: Other relevant references:
	ETSI EN 300 138-1 [7] ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_services/CCBS/511001
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. Recall option = PIXIT.
Test purpose:	Ensure that user A can establish a successful CCBS call setup a multipoint configuration exits.
Parameter values:	BC = PIXIT
Comments:	

511002	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_services/CCBS/511002	
Selection criteria:	OLE and DLE are supporting the CCBS supplementary service and this	
	supplementary service is a	
	 Signalling procedures at th 	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 reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.2.1		
TSS reference:	ISDN-PES/Supplementary_service	s/CCBS/511003	
Selection criteria:		ng the CCBS supplementary service and this	
	supplementary service is a		
	 Signalling procedures at th 	e coincident S and T reference point.	
Test purpose:	Ensure that when the network A is in the call state N00 and CCBS Activated state the		
	user can initiate the deactivation pr	ocedure.	
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 reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.1.4.2		
TSS reference:	ISDN-PES/Supplementary_se	ervices/CCBS/511004	
Selection criteria:	 OLE and DLE are sup 	porting the CCBS supplementary service and this	
		e is available to user A.	
	 Signalling procedures 	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 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 reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_service	es/CCBS/511005
Selection criteria:	 OLEand 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 network A cannot accept the CCBS request because the CCBS 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 reference to:	Other relevant references:
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]
TSS reference:	ISDN-PES/Supplementary_service	
Selection criteria:		are supporting the CCBS supplementary service and
	this supplementary service	
		ne 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 reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.2.2	
TSS reference:	ISDN-PES/Supplementary_service	s/CCBS/511007
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 thRecall option = PIXIT.	e coincident S and T reference point.
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 reference to:	Other relevant references:	
511006			
	ETSI EN 300 138-1 [7]	ETSI EN 300 356-1 [18]	
TSS reference:	ISDN-PES/Supplementary_sei	rvices/CCBS/511008	
Selection criteria:	 Network A and network 	k B are supporting the CCBS supplementary service and	
	this supplementary ser	rvice is available to user A.	
	 Signalling procedures 	at the coincident S and T reference point.	
	 The network option "C 	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 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.		

511009	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.3.2	
TSS reference:	ISDN-PES/Supplementary_service	ces/CCBS/511009
Selection criteria:	 Network A and network B are supporting the CCBS supplementary service and this supplementary service is available to user A. 	
		the coincident S and T reference point.
	 Network option "CCBS re 	equest retention" is set to "no".
	 Multipoint configuration. 	
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 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 information element with a CCBSErase invoke component including CCBSEraseREason encoded as "basic-call-failed. User A can activate the CCBS supplementary service again.	

511010	ISDN reference to:	Other relevant references:
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]
	clause 9.4.1.2	
TSS reference:	ISDN-PES/Supplementary_service	s/CCBS/5110010
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 th	e 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:		

6.2.11.11 CCNR

511103	ISDN reference to: ETSI EN 301 065-1 [29]	Other relevant references:	
TSS reference:	ISDN-PES/Supplementary_se	rvices/CCNR/511001	
Selection criteria:	supplementary service - Signalling procedures - Rrecall option = PIXIT	supplementary service is available to user A. - Signalling procedures at the coincident S and T reference point. - Rrecall option = PIXIT.	
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	BC = PIXIT	
Comments:			

511002	ISDN reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	es/CCNR/511002
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. Recall option = PIXIT. 	
	- Point-to-multipoint configuration applies.	
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 reference to:	Other relevant references:		
	ETSI EN 301 065-1 [29]			
TSS reference:	ISDN-PES/Supplementary_se	ervices/CCNR/511003		
Selection criteria:		pporting the CCNR supplementary service and this		
		e is available to user A.		
	 Signalling procedures 	- Signalling procedures at the coincident S and T reference point.		
Test purpose:	network B has responded to t CONNECT message. Has the CCNR request not be	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		
Parameter values:	BC = PIXIT	BC = PIXIT		
Comments:				

511004	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_service	ces/CCNR/511004	
Selection criteria:		ting 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 reference to: ETSI EN 301 065-1 [29]	Other relevant references:
TSS reference:	ISDN-PES/Supplementary_service	es/CCNR/511105
Selection criteria:	OLEand 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 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 reference to: Other relevant references: ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_services/CCNR/511006	
Selection criteria:	 Network A and network B 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 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 reference to:	Other relevant references:
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511007
Selection criteria:	 Network A and network B a 	are supporting the CCNR supplementary service and
	this supplementary service	is available to user A.
	 Signalling procedures at the 	e coincident S and T reference point.
	 Network A supports the specific 	ecific Recall option.
Test purpose:	Ensure that if network A cannot accept 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 reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511008	
Selection criteria:		are supporting the CCNR supplementary service and	
	this supplementary service		
		e coincident S and T reference point.	
	 Network A supports the glo 		
Test purpose:		cept the request because no B-cannel can selected,	
		Alerting 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 reference to: Other relevant references:	
	ETSI EN 301 065-1 [29]	
TSS reference:	ISDN-PES/Supplementary_services/CCNR/511009	
Selection criteria:	- Network A and network B 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. 	
	 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 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.	

511030	ISDN reference to:	Other relevant references:	
	ETSI EN 301 065-1 [29]		
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511030	
Selection criteria:	- Network A and network B are supporting the CCNR supplementary service and		
	this supplementary service		
	- Signalling procedures at the coincident S and T reference point.		
	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 reference to:	Other relevant references:	
	ETSI EN 300 138-1 [7],	ETSI EN 300 356-1 [18]	
	clause 9.4.1.2		
TSS reference:	ISDN-PES/Supplementary_service	s/CCNR/511031	
Selection criteria:		are supporting the CCNR supplementary service and	
	this supplementary service		
	 Signalling procedures at th 	e 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		
	expires, the network A sends to user A a FACILITY message containing a Facility		
	information element with a CCBSErase invoke component including CCBSEraseREason		
	encoded as "t-CCBS3-timout".		
Parameter values:	BC = PIXIT		
Comments:			

6.2.11.12 ECT

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

511202	ISDN reference to:	Other relevant references:	
	ETSI EN 300 369-1 [19],		
	clause 9.2.1, 9.2.3 and 9.2.4		
TSS reference:	ISDN-PES/Supplementary_servic	ISDN-PES/Supplementary_services/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 reference to: ETSI EN 300 369-1 [19], clause 9	Other relevant references:
TSS reference:	ISDN-PES/Supplementary_service	s/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 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:		

511204		Other relevant references:
	ETSI EN 300 369-1 [19], clause 9	
TSS reference:	ISDN-PES/Supplementary_services/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 A-B is in the Active call state and the call A-C is in the Call Delivered 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:		

6.2.11.13 HOLD

511301	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PES//Supplementary_services/HOLD/511301	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold and that the call can be released from the calling user during the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511302	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PES//Supplementary_services/HOLD/511302	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the calling user can initiate Call Hold, and that the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511303	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PES//Supplementary_services/HOLD/511303	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the called remote user is notified of call hold, the call can be released from the called user in the held state.	
Parameter values:	BC = PIXIT	
Comments:		

511304	ISDN reference to: ETSI EN 300 141-1 [16], clause 7	Other relevant references: ETSI EN 300 196-1 [26], clause 7.1 ETSI TS 183 036 [42], clause 5.2.1 Recommendation ITU-T Q.1912.5 [35], annex B.10 ETSI TS 129 163 [40], clause 7.4.10
TSS reference:	ISDN-PES//Supplementary_services/HOLD/511303	
Selection criteria:	The calling user is provided with HOLD.	
Test purpose:	Ensure that the called user can initiate Call Hold, the called remote user is notified of call hold, the call can be released from the calling user in the held state.	
Parameter values:	BC = PIXIT	
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	
V2.4.0	September 2020	Publication	