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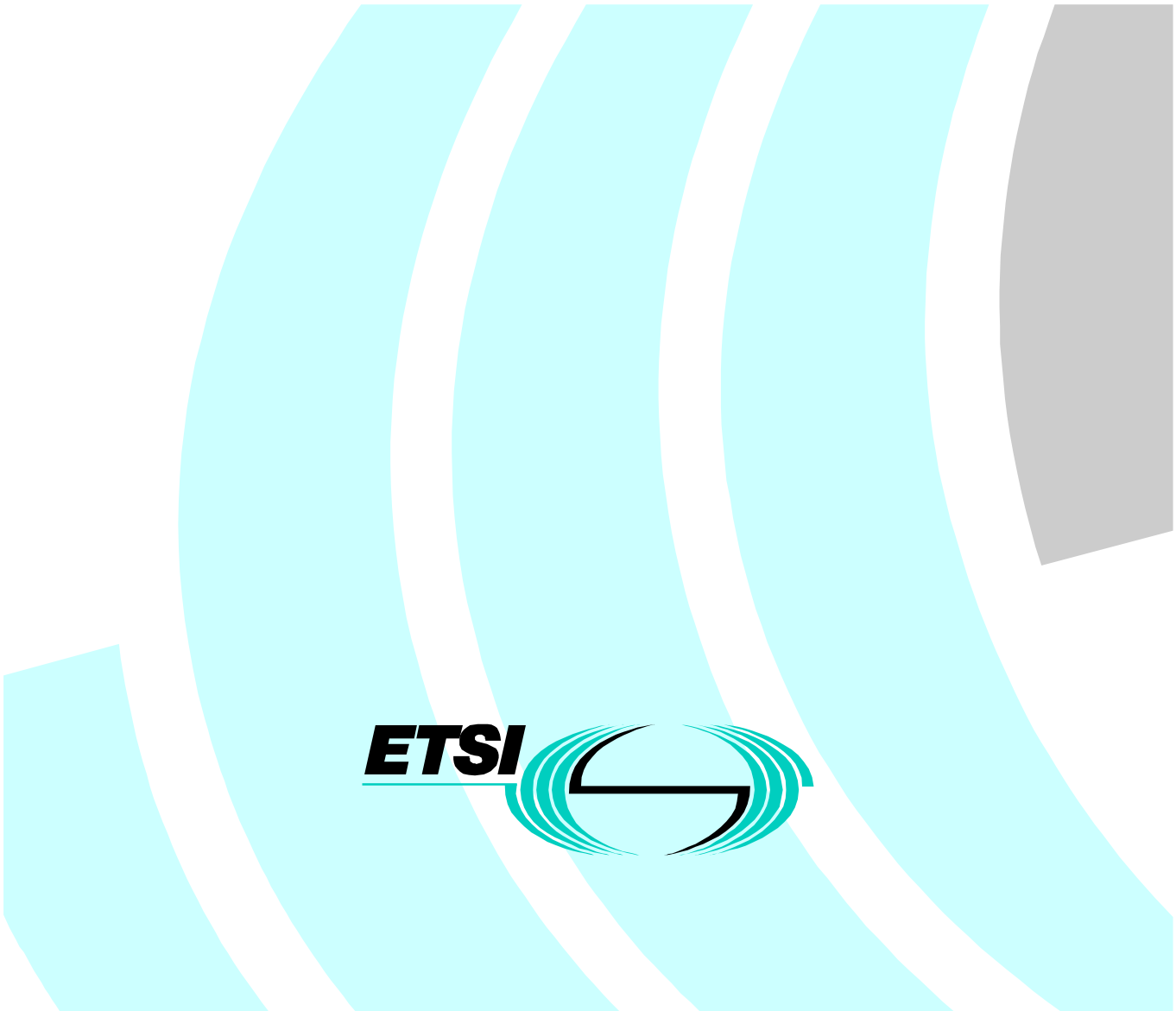
ETSI Guide

**Broadband Integrated Services Digital Network (B-ISDN);
Network integration testing;
End-to-end testing;
Part 1: Test Suite Structure and
Test Purposes (TSS&TP) specification**



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Contents

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Foreword

This ETSI Guide (EG) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document is part 1 of a multi-part deliverable covering the Network integration testing; End-to-end testing, as identified below:

Part 1: "Test Suite Structure and Test Purposes (TSS&TP) specification";

Part 2: "Implementation Conformance Statement (ICS) proforma, Implementation eXtra Information for Testing (IXIT) proforma and Abstract Test Suite (ATS)".

Introduction

The present document contains User-Network-Interface (UNI) to User-Network-Interface test specification for Network Integration Testing (NIT) required to verify the overall compatibility of B-ISDN and N-ISDN over national/international B-ISUP between networks.

1 Scope

The present document provides a set of tests for testing B-ISDN compatibility and its interworking with N-ISDN. Included are as well basic as supplementary services, checking basically the end-to-end characteristics. The following test subjects are covered:

- support of basic services (CS1 and partly CS2.1 functionalities): normal call/connection including bearer services, HLI/LLI-transport and LLI-negotiation, unsuccessful call setup, normal call release, deterministic bit rate, statistical bit rate and point-to-multipoint. The support of bandwidth negotiation, bandwidth modification and available bit rate will be covered in PIR 2.2;
- support of supplementary services: CLIP/R, COLP/R, SUB, UUS, CUG;
- support of interworking between B-ISDN and N-ISDN: basic call including normal connection, unsuccessful call setup, normal call release;
- support of interworking of supplementary services: CLIP/R, COLP/R, SUB, UUS, CUG.

The present document represents the output from the EURESCOM Project P613 Task2.

2 References

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

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

[1] ETSI ETS 300 443-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2931 (1995), modified]".

[2] ETSI ETS 300 403-1 (1995): "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]".

[3] ETSI ETS 300 771-1 (1997): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for point-to-multipoint call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2971 (1995), modified]".

[4] ETSI ETS 300 685 (1997): "Broadband Integrated Services Digital Network (B-ISDN); Usage of cause and location in Digital Subscriber Signalling System No. two (DSS2) and Signalling System No.7 B-ISDN User Part (B-ISUP) [ITU-T Recommendation Q.2610 (1995), modified]".

[5] 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".

[6] ETSI ETS 300 092-1 (1994): "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[7] ETSI ETS 300 093-1 (1992): "Integrated Services Digital Network (ISDN); Calling Line Identification Restriction (CLIR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[8] ETSI ETS 300 097-1 (1994): "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[9] ETSI ETS 300 098-1 (1992): "Integrated Services Digital Network (ISDN); Connected Line Identification Restriction (COLR) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[10] ETSI ETS 300 061-1 (1991): "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[11] ETSI ETS 300 286-1 (1996): "Integrated Services Digital Network (ISDN); User-to-User Signalling (UUS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[12] ETSI ETS 300 138-1 (1997): "Integrated Services Digital Network (ISDN); Closed User Group (CUG) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[13] ITU-T Recommendation Q.2660: "Interworking between signalling system No. 7 broadband ISDN User Part (B-ISUP) and narrow-band ISDN User Part (N-ISUP)".

[14] ETSI ETS 300 663-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Calling Line Identification Presentation (CLIP) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 3 (1995), modified]".

[15] ETSI ETS 300 664-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Calling Line Identification Restriction (CLIR) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 4 (1995), modified]".

[16] ETSI ETS 300 665-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connected Line Identification Presentation (COLP) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 5 (1995), modified]".

[17] ETSI ETS 300 666-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connected Line Identification Restriction (COLR) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 6 (1995), modified]".

[18] ETSI ETS 300 667-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Subaddressing (SUB) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 8 (1995), modified]".

[19] ETSI ETS 300 668-1 (1996): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; User-to-User Signalling (UUS) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2957, clause 1 (1995), modified]".

[20] ETSI ETS 300 770-1 (1998): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Closed User Group (CUG) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2955.1 (1996), modified]".

[21] ETSI EN 301 068-1 (V1.2.4): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; ATM transfer capability and traffic parameter indication; Part 1: Protocol specification [ITU-T Recommendations Q.2961.1 (1995), Q.2961.2 (1997), Q.2961.3 (1997), Q.2961.4 (1997), modified]".

[22] ETSI EN 301 067-1 (V1.1.3): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 1: Protocol specification [ITU-T Recommendation Q.2962 (1996), modified]".

[23] ETSI EN 301 276-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Modification procedures for sustainable cell rate parameters; Part 1: Protocol specification [ITU-T Recommendation Q.2963.2 (1997), modified]".

[24] ATM Forum af-uni-0010.002: "ATM User-Network Interface Specification V3.1".

[25] ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

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

[27] ITU-T Recommendation H.221: "Frame structure for a 64 to 1 920 kbit/s channel in audiovisual teleservices".

[28] ITU-T Recommendation H.242: "System for establishing communication between audiovisual terminals using digital channels up to 2 Mbit/s".

[29] ITU-T Recommendation Q.922: "ISDN data link layer specification for frame mode bearer services".

[30] ITU-T Recommendation X.25: "Interface between Data Terminal Equipment (DTE) and Data Circuit-terminating Equipment (DCE) for terminals operating in the packet mode and connected to public data networks by dedicated circuit".

[31] ETSI ETR 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".

[32] ITU-T Recommendation Q.955: "Stage 3 description for community of interest supplementary services using DSS 1".

3 Definitions and abbreviations

3.1 Definitions

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

- terms defined in the B-ISDN/ISDN reference specifications [1] to [24];
- terms defined in ISO/IEC 9646-1 [25] and in ISO/IEC 9646-2 [26].

In particular, the following terms defined in ISO/IEC 9646-1 [25] apply:

- **Abstract Test Case;**
- **PICS proforma;**
- **Test Purpose.**

3.2 Abbreviations

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

AAL	ATM Adaption Layer
ABR	Available Bit Rate
ATM	Asynchronous Transfer Mode
BTC	Broadband Transfer Capability
CLIP	Calling Line Identification Presentation
CLIR	Calling Line Identification Restriction
COLP	COnnected Line identification Presentation
COLR	COnnected Line identification Restriction
CS1	Capability Set 1
CS2.1	Capability Set 2.1
CUG	Closed User Group
DSS1	Digital Subscriber Signalling System No. One
DSS2	Digital Subscriber Signalling System No. 2
HLC	High Layer Compatibility
HLI	High Layer Information
ISDN	Integrated Services Digital Network
ISUP	ISDN User Part
IXIT	Implementation eXtra Information for Testing
LLC	Low Layer Compatibility
LLI	Low Layer Information
NIT	Network Integration Testing
SUB	Subaddressing
TSS&TP	Test Suite Structure & Test Purposes
UUS	User-to-User Signalling

4 Test Suite Structure (TSS)

4.1 B-ISDN Basic Call

BCA	CS 1	NCO	BSE		1.1.1.1.x
Basic Call/Connection	Capability Set 1	Normal Connection	Bearer Services		
			HLI/LLI		1.1.1.2.x
			HLI/LLI-Transport		
			LLI		1.1.1.3.x
			LLI Negotiation		
		UCS	BSE		1.1.2.1.x
		Unsuccessful Call Setup	Bearer Services		
		NCR	BSE		1.1.3.1.x
		Normal Call Release	Bearer Services		
	CS 2.1	NCO	BSE		1.2.1.1.x
	Capability Set 2.1	Normal Connection	Bearer Services		
		UCS	BSE		1.2.2.1.x
		Unsuccessful Call Setup	Bearer Services		
		NCR	BSE		1.2.3.1.x
		Normal Call Release	Bearer Services		
		PTMP	NCO	BSE	1.2.4.1.1.x

Point to Multipoint	Normal Connection	Bearer Services	
	UCS	BSE	1.2.4.2.1x
	Unsuccessful Call Setup	Bearer Services	
	NCR	BSE	1.2.4.3.1x
	Normal Call Release	Bearer Services	
BWN	NCO	BSE	1.2.5.1.x
Bandwith Negotiation	Normal Connection	Bearer Services	
	UCS	BSE	1.2.5.2.x
	Unsuccessful Call Setup	Bearer Services	
BWM	NCO	BSE	1.2.6.1.x
Bandwith Modification	Normal Connection	Bearer Services	
	UCS	BSE	1.2.6.2.x
	Unsuccessful Call Setup	Bearer Services	
ABR	NCO	BSE	1.2.7.1.x
Available Bit Rate	Normal Connection	Bearer Services	
	UCS	BSE	1.2.7.2.x
	Unsuccessful Call Setup	Bearer Services	

4.2 B-ISDN interworking with N-ISDN for Basic Call

IW	BCA	BNC	NCO	2.1.1.1.x
Interworking B-ISDN with N-ISDN	Basic Call	B-ISDN to N-ISDN	Normal Connection	
			UCS	2.1.1.2.x
			Unsuccessful Call Setup	
			NCR	2.1.1.3.x
			Normal Call Release	
		NBC	NCO	2.1.2.1.x
		N-ISDN to B-ISDN	Normal Connection	
			UCS	2.1.2.2.x
			Unsuccessful Call Setup	
			NCR	2.1.2.3.x
			Normal Call Release	

4.3 B-ISDN interworking with N-ISDN for Supplementary Services

IW	SS	BNC	CLIP	2.2.1.1.x
Interworking B-ISDN with N-ISDN	Supplementary Services	B-ISDN to N-ISDN Calls	Calling Line Identif. Present.	
			CLIR	2.2.1.2.x
			Calling Line Identif. Restr.	
			COLP	2.2.1.3.x
			Connected Line Identif. Present.	
			COLR	2.2.1.4.x
			Connected Line Identif. Restr.	
			SUB	2.2.1.5.x
			Sub-addressing	
			UUS	2.2.1.6.x
			User-to-user signalling	
			CUG	2.2.1.7.x
			Closed user group	
		NBC	CLIP	2.2.2.1.x
		N-ISDN to B-ISDN Call	Calling Line Identif. Present.	
			CLIR	2.2.2.2.x

Calling Line Identif. Restr. COLP	2.2.2.3.x
Connected Line Identif. Present. COLR	2.2.2.4.x
Connected Line Identif. Restr. SUB	2.2.2.5.x
Sub-addressing UUS	2.2.2.6.x
User-to-user signalling CUG	2.2.2.7.x

Closed user group

4.4 B-ISDN Supplementary Services

SS	CLIP	3.1.x
Supplementary Services	Calling Line Identif. Present.	
	CLIR	3.2.x
	Calling Line Identif. Restriction	
	COLP	3.3.x
	Connected Line Identif. Present.	
	COLR	3.4.x
	Connected Line Identif. Restriction	
	SUB	3.5.x
	Sub-addressing	
	UUS	3.6.x
	User-to-user signalling	
	CUG	3.7.x
	Closed user group	

5 B-ISDN End-to-End Test Purpose list

5.1 Introduction

For each test requirement a Test Purpose is defined.

5.1.1 Test purpose naming convention

The Test Purposes are identified by a five or six figure numbering scheme were the first figure identifies the Test Group, followed by three numbers for subgroups and a one or two figures serial number, starting at 1, 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> <Sub group> <Sub group> <nn>**

<Test group>: 1 digit field representing group reference according to TSS

1 = Basic Call/Connection

2 = Interworking B-ISDN with N-ISDN

3 = B-ISDN Supplementary Service

<Subgroup>: Each 1 digit field representing sub group reference according to TSS

<nn> = sequential number (1-99)

5.1.2 Source of test purpose definition

The Test Purposes for B-ISDN are based on ETS 300 443-1 [1] and the applicable standards for supplementary services.

The Test Purposes for ISDN are based on ETS 300 403-1 [2] and the applicable standards for supplementary services.

5.1.3 Test purpose structure

The Test Purposes are formatted as tables using the format shown in the following figure. 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 for NIT B-ISDN End-to-End tests

Identifier	**Ref. to**	**Other relevant ref.:**
TSS reference:	Test Suite Structure Reference	
Selection criteria:	The criteria necessary in order to select this specific test	
Test purpose:	The description of the test	
Configuration:	Configuration needed for this test	
Parameter values:	Values od parameters used for the test execution	
Comments:	Any relevant comment and reference	
Pre-test-condition:	Any information which actions have to take place before this test can be executed	

5.2 Basic Call/Connection (BCA)

5.2.1 Capability Set 1(CS 1)

5.2.1.1 Normal Connection (NCO)/Bearer services (BSE)

1.1.1.1.1	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message	

1.1.1.1.2	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with ALERT followed by CONNECT message	

1.1.1.1.3	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING followed by CONNECT message	

1.1.1.1.4	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers directly with CONNECT message	

1.1.1.1.5	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: A, ATM traffic descriptor PCR: acc. to IXIT (CLP=0+1), QOS: class 0	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. Optional i.e. ATM Adaption layer parameters (AAL type 1) included in SET UP	

1.1.1.1.6	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: A, ATM traffic descriptor PCR: acc. to IXIT (CLP=0+1), QOS: class 0	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) End-to-end transit delay OAM traffic descriptor QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. Optional i.e. ATM Adaption layer parameters (AAL type 1), End-to-end transit delay and OAM traffic descriptor are included in the SET UP	

1.1.1.1.7	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) End-to-end transit delay QoS: - Unspecified QoS class OAM traffic descriptor For CONNECT: AAL Parameters: - AAL type 1 Connection identifier End-to-end transit delay OAM traffic descriptor	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user directly answers with CONNECT message	

1.1.1.1.8	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.: EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - Not susceptible to clipping AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message	

1.1.1.1.9	Ref. to - ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: X	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBX - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message	

1.1.1.1.10	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.: EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: X	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBX - Not susceptible to clipping AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message	

1.1.1.1.11	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: A when OAM F5 cells should be transported optionally	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class OAM traffic descriptor: - Shaping indicator: no requirement - Compliance indicator: end-to-end OAM F5 flow optional - User-network fault management ind.: no user-originated ... - Forward EtE OAM F5 flow ind.: acc. to IXIT - Backward EtE OAM F5 flow ind.: acc. to IXIT	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message	

1.1.1.1.12	Ref. to ETS 300 443-1 [1] / clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call can be established successfully using B-BC bearer class: A when OAM F5 cells should be transported mandatory	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class OAM traffic descriptor: - Shaping indicator: no requirement - Compliance indicator: end-to-end OAM F5 flow mandatory - User-network fault management ind.: no user-originated... - Forward EtE OAM F5 flow ind.: acc. to IXIT - Backward EtE OAM F5 flow ind.: acc. to IXIT	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message	

1.1.1.1.13	Ref. to ETS 300 443-1 [1], clause 6 / annex E clause E.2.1	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/ CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (3,1 kHz audio) can be established successfully within B-ISDN	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - 3,1 kHz Audio - Circuit mode - 64 kbit/s - A-law QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**3,1 kHz audio call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.14	Ref. to ETS 300 443-1 [1], clause 6 / annex E clause E.2.2	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:		
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (unrestricted digital information) can be established successfully within B-ISDN	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Unrestricted digital information call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.15	Ref. to ETS 300 443-1 [1], clause 6 / annex E clause E.2.3	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (telephony) can be established successfully within B-ISDN	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - Speech - Circuit mode - 64 kbit/s - A-law N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Telephony call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.16	Ref. to ETS 300 443-1 [1], clause 6 / annex E clause E.2.4	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (videotelephony/first call) can be established successfully within B-ISDN	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descrip.: - Equal to 64 kbit/s N-BC: - UDI T/A - Circuit mode - 64 kbit/s - ITU-T Recommendation H.221 [27] and H.242 [28] N-HLC: - Videotelephony QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Videotelephony call first call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.17	Ref. to ETS 300 443-1 [1], clause 6 / annex E	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (videotelephony/second call) can be established successfully within B-ISDN	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - UDI - Circuit mode - 64 kbit/s N-HLC: - Videotelephony QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Videotelephony call second call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.18	Ref. to ETS 300 443-1 [1], clause 6 / annex E	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (telefax G4) can be established successfully within B-ISDN.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - UDI - Circuit mode - 64 kbit/s N-HLC: - Group 4 class 1 facsimile N-LLC: - acc. EG 201 018 [5] clause 7.3.2.1 QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Telefax Group 4 call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.19	Ref. to ETS 300 443-1 [1], clause 6 / annex E	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (Telephony 7 kHz) can be established successfully within B-ISDN.	
Configuration:	Configuration xy	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - UDI T/A - Circuit mode - 64 kbit/s - ITU-T Recommendation H.221 [27] and H.242 [28] N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Telephony 7 kHz call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

1.1.1.1.20	Ref. to ETS 300 443-1 [1], clause 6 / annex E	Other relevant ref.: ETS 300 403-1 [2], EG 201 018 [5]
TSS reference:	B_ISDN/BCA/CS1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a call for a N-ISDN service (facsimile group 2/3) can be established successfully within B-ISDN.	
Configuration:	Configuration xy	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s N-BC: - 3,1 kHz audio - Circuit mode - 64kbit/s - A-law N-HLC: - Facsimile Group 2/3 QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Facsimile Group 2/3 call within B-ISDN**	
Pre-test-condition:	En bloc sending is used at the B-ISDN UNI. The called party answers with ALERT followed by CONNECT message.	

5.2.1.2 Normal Connection (NCO)/HLI/LLI-Transport (HLI)

1.1.1.2.1	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/ /HLI_LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI i.e. is included in SET UP.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - ISO/IEC QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. B-HLI type: ISO/IEC (80 H)	

1.1.1.2.2	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/ /HLI_LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI i.e. is included in SET UP.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - User-specific QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. B-HLI type: User-specific (81 H)	

1.1.1.2.3	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/ /HLI_LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI i.e. is included in SET UP.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - Vendor-specific application identifier QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. B-HLI type: Vendor-specific application identifier (83 H)	

1.1.1.2.4	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/ /HLI_LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI i.e. is included in SET UP.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - SG 1 QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. B-HLI type: SG 1 (84 H)	

1.1.1.2.5	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO/ /HLI_LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI/B-LLI i.e. is included in SET UP.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - User-specific B-LLI: - User inf. layer 2: Q.922 [29] , - User inf.layer 3: X.25 [30] packet layer QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. B-HLI type: User-specific (81 H); B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer	

5.2.1.3 Normal Connection (NCO)/LLI-Negotiation (LLI)

1.1.1.3.1	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2 / annex C	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO//LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI/B-LLI i.e. is included in SET UP and the B-LLI i.e. in the CONNECT.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - User-specific B -LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size:1024, window size: 63QoS: - Unspecified QoS class For CONNECT: B -LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size:1024, window size: 7	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. SET UP: B-HLI type: User-specific (81 H); B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer,. CONNNECT: B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer packet size:1024, window size: 7	

1.1.1.3.2	Ref. to ETS 300 443-1 [1], clauses 5.1 and 5.2, annex C	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/NCO//LLI	
Selection criteria:		
Test purpose:	To verify that a call can be established successfully if B-HLI, the Broadband repeat indicator and 3 B-LLI i.e. are included in SET UP and the B-LLI i.e. in the CONNECT.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-HLI: - User-specific Broadband repeat indicator B -LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size: 512, window size: 3 B -LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size: 1 024, window size: 7 B -LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size: 2 048, window size: 63 QoS: - Unspecified QoS class For CONNECT: B -LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size:1024, window size: 7	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user answers with CALL PROCEEDING and ALERT followed by CONNECT message. SET UP: B-HLI type: User-specific (81 H); Broadband repeat indicator, 1. B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer, packet size: 512, window size: 3, 2. B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer, packet size: 1024, window size: 7, 3. B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer, packet size: 2 048, window size:63, CONNNECT: B-LLI: User inf. layer 2: Q.922 [29], User inf.layer 3: X.25 [30] packet layer packet size:1024, window size: 7	

5.2.1.4 Unsuccessful Call Setup (UCS)/Bearer Services (BSE)

1.1.2.1.1	Ref. to ETS 300 443-1 [1], clause 5.1.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 1 when an unallocated number is dialled.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. Called number is an unallocated subscriber number	

1.1.2.1.2	Ref. to ETS 300 443-1 [1], clause 5.1.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 3 when there is no route to destination.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. Called party number has invalid country or national destination code	

1.1.2.1.3	Ref. to ETS 300 443-1 [1], clause 5.1.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 22 when the dialled number has changed.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The dialled number has changed	

1.1.2.1.4	Ref. to ETS 300 443-1 [1], clause 5.1.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 28 when the dialled number was incomplete.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used.	

1.1.2.1.5	Ref. to ETS 300 443-1 [1], clause 5.2.1	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 47 if no resources are available at called UNI.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The required bandwidth is bigger than the one supported by the called access	

1.1.2.1.6	Ref. to ETS 300 443-1 [1], clauses 5.2.2.2 and 5.2.5.1	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 88 is transported transparently	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called party is incompatible and answers with RELEASE COMPLETE and the appropriate cause value	

1.1.2.1.7	Ref. to ETS 300 443-1 [1] / clause 5.2.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 49 is transported transparently	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user is not able to provide the requested QOS class and returns a RELEASE COMPLETE with the appropriate cause value	

1.1.2.1.8	Ref. to ETS 300 443-1 [1] / clause 5.2.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 49 is transported transparently	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user is not able to accept the indicated transit delay and returns a RELEASE COMPLETE with the appropriate cause value	

1.1.2.1.9	Ref. to ETS 300 443-1 [1] / clause 5.2.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 47 is transported transparently	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. SET UP: The called user is not able to provide the requested peak cell rate and returns a RELEASE COMPLETE with the appropriate cause value	

1.1.2.1.10	Ref. to ETS 300 443-1 [1] / clause 5.2.5.1	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 17 is transported transparently	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user is busy rate and returns a RELEASE COMPLETE with the appropriate cause value	

1.1.2.1.11	Ref. to ETS 300 443-1 [1] / clause 5.2.5.1	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 21 is transported transparently	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user refuses/rejects the call and returns a RELEASE COMPLETE with the appropriate cause value	

1.1.2.1.12	Ref. to ETS 300 443-1 [1] / clause 5.2.5.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 18 if there is no response from the called user	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user shall not respond	

1.1.2.1.13	Ref. to ETS 300 443-1 [1] / clause 5.2.5.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 19 when the timer T 301 expires	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. The called user sends ALERT but no CONNECT or RELEASE before T 301 expires	

5.2.1.5 Normal Call Release (NCR)/Bearer Services (BSE)

1.1.3.1.1	Ref. to ETS 300 443-1 [1] / clause 5.4.3.	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a calling user can release the call successfully prior to the receipt of answer	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. Calling user clears before answer	

1.1.3.1.2	Ref. to ETS 300 443-1 [1] / clause 5.4.3	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a calling user can release the call successfully after answer	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. Calling user clears after answer	

1.1.3.1.3	Ref. to ETS 300 443-1 [1] / clause 5.4.4	Other relevant ref.:
TSS reference:	B_ISDN/BCA/ CS1/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a called user can release the call successfully after answer	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used. SET UP: B-BC bearer class: A, ATM traffic descriptor PCR: acc. to IXIT (CLP=0+1), QOS: class 0. Called user clears after answer	

5.2.2 Capability Set 2.1 (CS 2.1)

5.2.2.1 Normal Connection (NCO)/Bearer services (BSE)

1.2.1.1.1	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class A	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.2	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class A	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - Susceptible to clipping, - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0) - Backward peak cell rate (CLP=0) - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.3	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC, - BTC: 000 1001 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.4	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC, - BTC: 000 1001 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.5	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC, - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.6	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC, - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0) - Backward peak cell rate (CLP=0) - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.7	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.8	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.9	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - BTC: 000 1011 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.1.1.10	Ref. to EN 301 068-1 [21]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - BTC: 001 0011 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	En bloc sending is used	

5.2.2.2 Unsuccessful Call Setup (UCS)/Bearer services (BSE)

Covered by test purposes 1.1.2.1.x.

5.2.2.3 Normal Call Release (NCO)/Bearer services (BSE)

Covered by test purposes 1.1.3.1.x.

5.2.3 Point to Multipoint (PTMP)

5.2.3.1 Normal Connection (NCO)/Bearer services (BSE)

1.2.4.1.1.1	**Ref. to ETS 300 771-1 [3]**	**Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]**
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Point to Multipoint Call between one root and two leaves can be established successfully using bearer class A. The addition of the third party is initiated while the first call is in the active state	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-multipoint: 01 End point reference: Any value except 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For ADD PARTY: End point reference For the ADD PARTY ACKNOWLEDGE: End point reference	
Node-to-Node cross-reference		
Comments:	The ADD PARTY must use the same call reference value as in the SETUP and mustn't be sent before the first call is in the active state	
Pre-test-condition:	En bloc sending is used	

1.2.4.1.1.2	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Point to Multipoint Call between one root and two leaves can be established successfully using bearer class A. The addition of the third party is initiated while the first call is in the call delivered state	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-multipoint: 01 End point reference: Any value except 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For CONNECT: End point reference	
Node-to-Node cross-reference		
Comments:	The ADD PARTY must use the same call reference value as in the SETUP and mustn't be sent before the first call is in the call delivered state	
Pre-test-condition:	En bloc sending is used	

1.2.4.1.1.3	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Point to Multipoint Call between one root and two leaves can be established successfully using bearer class A. The user equipment connected to the second leaf does not support Point to Multipoint functionality. The addition of the third party is initiated while the first call is in the active state	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-multipoint: 01 End point reference: Any value except 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For ADD PARTY: End point reference For the ADD PARTY ACKNOWLEDGE: End point reference AAL Parameters: - AAL type 1 B-LLI: - User inf. layer 2: Q.922 [29] - User inf. layer 3: X.25 [30] packet layer, packet size: 1 024, window size: 3	
Node-to-Node cross-reference		
Comments:	The ADD PARTY must use the same call reference value as in the SETUP and mustn't be sent before the first call is in the active state	
Pre-test-condition:	En bloc sending is used	

1.2.4.1.1.4	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Point to Multipoint Call between one root and two leaves can be established successfully using bearer class C. The addition of the third party is initiated while the first call is in the active state.	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBC - BTC: 000 1011 - Not susceptible to clipping, - User plane connection configuration: point-to-multipoint: 01 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: 0 - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) - Backward sustainable cell rate (CLP=0+1) = 0 - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) - Backward maximum burst size (CLP=0+1) = 0 End point reference: - Any value except 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For ADD PARTY: End point reference For the ADD PARTY ACKNOWLEDGE: End point reference	
Node-to-Node cross-reference		
Comments:	The ADD PARTY must use the same call reference value as in the SETUP and mustn't be sent before the first call is in the active state	
Pre-test-condition:	En bloc sending is used	

1.2.4.1.1.5	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Point to Multipoint Call between one root and two leaves can be established successfully using bearer class X. The addition of the third party is initiated while the first call is in the active state.	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBX - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-multipoint: 01 End point reference: Any value except 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For ADD PARTY: End point reference For the ADD PARTY ACKNOWLEDGE: End point reference	
Node-to-Node cross-reference		
Comments:	The ADD PARTY must use the same call reference value as in the SETUP and mustn't be sent before the first call is in the active state.	
Pre-test-condition:	En bloc sending is used.	

5.2.3.2 Unsuccessful Call Setup (UCS)/Bearer Services (BSE)

1.2.4.2.1.1	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY including an unassigned number sent in a Point to Multipoint Connection (bearer class A) is released by the network. using an ADD PARTY REJECT, cause # 1	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 1 (unassigned number)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.2	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21] / clause 2, ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network cannot determine a route to this destination is released by the network using an ADD PARTY REJECT, cause # 3	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 3 (no route to destination)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.3	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network determines that the destination number has changed is released by the network using an ADD PARTY REJECT, cause # 22	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 22 (number changed)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.4	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network determines that the called party number is invalid is released by the network using an ADD PARTY REJECT, cause # 28	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 28 (invalid number format/address incomplete)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.5	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network determines that the requested user cell rate is not available is released by the network using an ADD PARTY REJECT, cause # 37	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 37 (user cell rate is not available)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.6	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network determines that the requested resource is unavailable is released by the network using an ADD PARTY REJECT, cause # 47	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 47 (resource unavailable, unspecified)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.7	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network determines that the requested quality of service is unavailable is released by the network using an ADD PARTY REJECT, cause # 49	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 49 (quality of service unavailable)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

1.2.4.2.1.8	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that an ADD PARTY sent in a Point to Multipoint Connection (bearer class A) where the network determines that the requested bearer capability is not presently available is released by the network using an ADD PARTY REJECT, cause # 49	
Configuration:	Configuration 2	
Parameter values:	For ADD PARTY: Called party number: - (acc. to IXIT) End point reference For ADD PARTY REJECT: Cause value: - 58 (bearer capability not presently available)	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf	

5.2.3.3 Normal Call Release (NCR)/Bearer services (BSE)

1.2.4.3.1.1	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCR/BSE	
Selection criteria:		
Test purpose:	To verify that a leaf of a Point to Multipoint Connection (bearer class A) can drop itself by sending a RELEASE	
Configuration:	Configuration 2	
Parameter values:	For RELEASE: Cause: - normal call clearing	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and two leaves	

1.2.4.3.1.2	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCR/BSE	
Selection criteria:		
Test purpose:	To verify that the root of a Point to Multipoint Connection (bearer class A) can drop a leaf by sending a DROP PARTY	
Configuration:	Configuration 2	
Parameter values:	For DROP PARTY: Cause: - normal call clearing Endpoint reference	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and two leaves	

1.2.4.3.1.3	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCR/BSE	
Selection criteria:		
Test purpose:	To verify that the root of a Point to Multipoint Connection (bearer class A) can release the complete connection	
Configuration:	Configuration 2	
Parameter values:	For RELEASE: Cause: - normal call clearing	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and two leaves	

1.2.4.3.1.4	Ref. to ETS 300 771-1 [3]	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/PTMP/NCR/BSE	
Selection criteria:		
Test purpose:	To verify that the root of a Point to Multipoint Connection (bearer class A) can release the complete connection and the leaf in the ADD PARTY RECEIVED state receives a ADD PARTY REJECT	
Configuration:	Configuration 2	
Parameter values:	For RELEASE: Cause: - normal call clearing	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	A Point to Multipoint Connection exists between the root and one leaf. The second leaf is in the ADD PARTY RECEIVED state	

5.2.4 Bandwith Negotiation (BWN)

5.2.4.1 Normal Connection (NCO)/Bearer services (BSE)

1.2.5.1.1a	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class A	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Values of the ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.1b	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class A	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Values of the alternative ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.2a	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC, - BTC: 000 1001 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Values of the ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.2b	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class C	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC, - BTC: 000 1001 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Values of the alternative ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.3a	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], ETS 300 771-1 [3]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class A in a Point-to-multipoint configuration.	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-multipoint: 01 End point reference: 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For CONNECT: End point reference: 0 ATM Traffic Descriptor: - Values of the ATM Traffic Descriptor included in the SETUP message For ADD PARTY: End point reference: Any value except 0	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested. The ADD PARTY must not be sent before the CONNECT is received	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.3b	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], ETS 300 771-1 [3]
TSS reference:	B_ISDN/BCA/CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class A in a Point-to-multipoint configuration	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-multipoint: 01 End point reference: 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For CONNECT: End point reference: 0 ATM Traffic Descriptor: - Values of the alternative ATM Traffic Descriptor included in the SETUP message For ADD PARTY: End point reference: Any value except 0	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested. The ADD PARTY must not be sent before the CONNECT is received	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.4	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters can be established successfully using bearer class A. Only the ATM traffic descriptor is included the SETUP at destination	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Values of the ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	The network is not able to provide the traffic parameter values specified in the alternative ATM traffic descriptor. En bloc sending is used	

1.2.5.1.5	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters can be established successfully using bearer class A. Only the ATM traffic descriptor is included the SETUP with the contents of the alternative ATM traffic descriptor at destination	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Values of the ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	The network is only able to provide the traffic parameter values specified in the alternative ATM traffic descriptor. En bloc sending is used	

1.2.5.1.6	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Minimum acceptable ATM Traffic Descriptor) can be established successfully using bearer class A	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Minimum acceptable ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Accepted values in the range of the values of ATM Traffic Descriptor and minimum acceptable ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The peak cell rates indicated in the minimum acceptable ATM Traffic Descriptor shall be less than the corresponding PCR in the ATM Traffic Descriptor	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.7	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Minimum acceptable ATM Traffic Descriptor) can be established successfully using bearer class A. Both the ATM traffic descriptor and the minimum ATM traffic descriptor are included in the SETUP at destination.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Minimum acceptable ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Accepted value in the range of ATM Traffic Descriptor and Minimum acceptable ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The peak cell rates indicated in the minimum acceptable ATM Traffic Descriptor shall be less than the corresponding PCR in the ATM Traffic Descriptor. The contents of the ATM Traffic Descriptor is modified according to the Ability at the origination network	
Pre-test-condition:	The origination network is not able to support some of the PCR indicated in the ATM traffic descriptor but able to provide values smaller than the one indicated in the ATM traffic descriptor and bigger than the one indicated in the minimum acceptable ATM traffic descriptor. En bloc sending is used	

1.2.5.1.8	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Minimum acceptable ATM Traffic Descriptor) can be established successfully using bearer class A. Only the ATM traffic descriptor is included in the SETUP with the contents of the minimum ATM traffic descriptor at destination.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Minimum acceptable ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect: ATM Traffic Descriptor: - Value of the ATM Traffic Descriptor included in the SETUP message	
Node-to-Node cross-reference		
Comments:	The peak cell rates indicated in the minimum acceptable ATM Traffic Descriptor shall be less than the corresponding PCR in the ATM Traffic Descriptor.	
Pre-test-condition:	The network is not able to support some of the cell rates indicated in the ATM traffic descriptor but able to provide their corresponding cell rates in the minimum acceptable ATM traffic descriptor. En bloc sending is used.	

1.2.5.1.9	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class A whereby the ATM Traffic Descriptor in the Connect is not sent by the destination user	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect:	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.10	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class C whereby the ATM Traffic Descriptor in the Connect is not sent by the destination user	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - BTC: 000 1001 - Not susceptible to clipping - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class For Connect:	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.11	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], ETS 300 771-1 [3]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) can be established successfully using bearer class A in a Point-to-multipoint configuration whereby the ATM Traffic Descriptor in the Connect is not sent by the destination user	
Configuration:	Configuration 2	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-multipoint: 01 End point reference: 0 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) = 0 QoS: - Unspecified QoS class For CONNECT: End point reference: 0 For ADD PARTY: End point reference: Any value except 0	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested. The ADD PARTY must not be sent before the CONNECT is received	
Pre-test-condition:	En bloc sending is used	

1.2.5.1.12	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters can be established successfully using bearer class A. Only the ATM traffic descriptor is included the SETUP at destination. The ATM Traffic Descriptor in the Connect is not sent by the destination user	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect:	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	The network is not able to provide the traffic parameter values specified in the alternative ATM traffic descriptor. En bloc sending is used	

1.2.5.1.13	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters can be established successfully using bearer class A. Only the ATM traffic descriptor is included the SETUP with the contents of the alternative ATM traffic descriptor at destination. The ATM Traffic Descriptor in the Connect is not sent by the destination user	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect:	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	The network is only able to provide the traffic parameter values specified in the alternative ATM traffic descriptor. En bloc sending is used	

1.2.5.1.14	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Minimum acceptable ATM Traffic Descriptor) can be established successfully using bearer class A whereby the ATM Traffic Descriptor in the Connect is not sent by the destination user	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Minimum acceptable ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For Connect:	
Node-to-Node cross-reference		
Comments:	The peak cell rates indicated in the minimum acceptable ATM Traffic Descriptor shall be less than the corresponding PCR in the ATM Traffic Descriptor	
Pre-test-condition:	En bloc sending is used	

5.2.4.2 Unsuccessful Setup (UCS)/Bearer services (BSE)

1.2.5.2.1	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) using bearer class A is released by the destination user due to unavailable resources and the cause value #47 is transparently transported through the network	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - BTC: 000 0111 - Susceptible to clipping - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For RELEASE COMPLETE: Cause: Resources not available, unspecified (#47)	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.2.2	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Alternative ATM Traffic Descriptor) using bearer class C is released by the destination user due to unavailable resources and the cause value #47 is transparently transported through the network	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBC - BTC: 000 1001 - Not susceptible to clipping - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) Alternative ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0) - Backward sustainable cell rate (CLP=0) - MBS: acc. to IXIT - Forward maximum burst size (CLP=0) - Backward maximum burst size (CLP=0) QoS: - Unspecified QoS class For RELEASE COMPLETE: Cause: Resources not available, unspecified (#47)	
Node-to-Node cross-reference		
Comments:	The alternative bandwidth requirements must be reduced compared to those originally requested	
Pre-test-condition:	En bloc sending is used	

1.2.5.2.3	Ref. to EN 301 067-1 [22]	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21]
TSS reference:	B_ISDN/BCA/ CS2.1/BWN/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call supporting Capability Set 2.1 parameters and Bandwith negotiation parameters (Minimum acceptable ATM Traffic Descriptor) using bearer class A is released by the destination user due to unavailable resources and the cause value #47 is transparently transported through the network	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - BTC: 000 0111 - Susceptible to clipping, - User plane connection configuration: point-to-point: 00 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) Minimum acceptable ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) QoS: - Unspecified QoS class For RELEASE COMPLETE: Cause: Resources not available, unspecified (#47)	
Node-to-Node cross-reference		
Comments:	The peak cell rates indicated in the minimum acceptable ATM Traffic Descriptor shall be less than the corresponding PCR in the ATM Traffic Descriptor	
Pre-test-condition:	En bloc sending is used	

5.2.5 Bandwidth Modification (BWM)

5.2.5.1 Normal Connection (NCO)/Bearer Service (BSE)

1.2.6.1.1a	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1) of a call/connection already in the active state can be successfully increased. Confirmation of the modification is requested by the addressed user.	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.1b	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1) of a call/connection already in the active state can be successfully decreased. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) < as in SETUP - Backward peak cell rate (CLP=0+1) < as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.2a	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1) of a call/connection already in the active state can be successfully increased. Confirmation of the modification is not requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP For MODIFY ACKNOWLEDGE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.2b	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1) of a call/connection already in the active state can be successfully decreased. Confirmation of the modification is not requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) < as in SETUP - Backward peak cell rate (CLP=0+1)< as in SETUP For MODIFY ACKNOWLEDGE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.3a	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1) of a call/connection already in the active state can be successfully increased for the forward and decreased for the backward direction. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) < as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.3b	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1) of a call/connection already in the active state can be successfully decreased for the forward and increased for the backward direction. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) < as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.4a	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0, CLP=0+1) of a call/connection already in the active state can be successfully increased. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0) > as in SETUP - Backward peak cell rate (CLP=0) > as in SETUP - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.2 is already established. The Modification Request is supported all through the network and the resources are available respectively.	

1.2.6.1.4b	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0, CLP=0+1) of a call/connection already in the active state can be successfully decreased. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0) < as in SETUP - Backward peak cell rate (CLP=0) < as in SETUP - Forward peak cell rate (CLP=0+1) < as in SETUP - Backward peak cell rate (CLP=0+1) < as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.2 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.5a	Ref. to EN 301 276-1 [23] / clause 2	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1), SCR and MBS of a call/connection already in the active state can be successfully increased. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) > as in SETUP - Backward sustainable cell rate (CLP=0+1) > as in SETUP - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) > as in SETUP - Backward maximum burst size (CLP=0+1) > as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.7 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.5b	Ref. to EN 301 276-1 [23] / clause 2	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that the PCRs (CLP=0+1), SCR and MBS of a call/connection already in the active state can be successfully decreased. Confirmation of the modification is requested by the addressed user	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) < as in SETUP - Backward peak cell rate (CLP=0+1) < as in SETUP - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) < as in SETUP - Backward sustainable cell rate (CLP=0+1) < as in SETUP - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) < as in SETUP - Backward maximum burst size (CLP=0+1) < as in SETUP For MODIFY ACKNOWLEDGE: Broadband Report Type: - Modification confirmation (0000 0001) For CONNECTION AVAILABLE:	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.7 is already established. The Modification Request is supported all through the network and the resources are available respectively	

5.2.5.2 Unsuccessful Call Setup (UCS)/Bearer Services (BSE)

1.2.6.2.1	Ref. to EN 301 276-1 [23] / clause 1	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a call/connection returns in the active state after an unsuccessful Modification request that included an increase for the PCRs (CLP=0+1)	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP For MODIFY REJECT: Cause value: # 63 *	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.1 is already established. The Modification Request is supported all through the network and the resources are available respectively	

1.2.6.1.2	Ref. to EN 301 276-1 [23] / clause 2	Other relevant ref.: EN 301 068-1 [21], ETS 300 443-1 [1]
TSS reference:	B_ISDN/BCA/ CS2.1/BWM/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a call/connection returns to the active state after an unsuccessful Modification request that included an increase for the PCRs (CLP=0+1), SCR and MBS	
Configuration:	Configuration 1	
Parameter values:	For MODIFY REQUEST: ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) > as in SETUP - Backward peak cell rate (CLP=0+1) > as in SETUP - SCR: acc. to IXIT - Forward sustainable cell rate (CLP=0+1) > as in SETUP - Backward sustainable cell rate (CLP=0+1) > as in SETUP - MBS: acc. to IXIT - Forward maximum burst size (CLP=0+1) > as in SETUP - Backward maximum burst size (CLP=0+1) > as in SETUP For MODIFY REJECT: Cause value: # 63	
Node-to-Node cross-reference		
Comments:		
Pre-test-condition:	The connection according to 1.2.1.1.7 is already established. The Modification Request is supported all through the network and the resources are available respectively	

5.2.6 Available Bit Rate (ABR)

5.2.6.1 Normal Connection (NCO)/Bearer Service (BSE)

1.2.7.1.1	Ref. to EN 301 068-1 [21] / clause 3	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], EN 301 067-1 [22]
TSS reference:	B_ISDN/BCA/ CS2.1/ABR/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call that includes ABR parameters can be established successfully using bearer class C. AAL parameters are also present	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOB-C, - BTC: 000 1100 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure : acc. to IXIT - Backward ABR transient buffer exposure : acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT QoS: - Unspecified QoS class For CONNECT: ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT	
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.7.1.2	Ref. to EN 301 068-1 [21] / clause 3	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], EN 301 067-1 [22]
TSS reference:	B_ISDN/BCA/ CS2.1/ABR/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call that includes ABR parameters can be established successfully using bearer class C. AAL parameters are not present	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOB-C - BTC: 000 1100 - Not susceptible to clipping - User plane connection configuration: point-to-point: 00 ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT QoS: - Unspecified QoS class For CONNECT: ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT	
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.7.1.3	Ref. to EN 301 068-1 [21] / clause 3	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], EN 301 067-1 [22]
TSS reference:	B_ISDN/BCA/ CS2.1/ABR/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call that includes ABR parameters can be established successfully using bearer class X. AAL parameters are also present	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOB-X, - BTC: 000 1100 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT QoS: - Unspecified QoS class For CONNECT: ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT	
Comments:		
Pre-test-condition:	En bloc sending is used	

1.2.7.1.4	Ref. to EN 301 068-1 [21] / clause 3	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], EN 301 067-1 [22]
TSS reference:	B_ISDN/BCA/ CS2.1/ABR/NCO/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call that includes ABR parameters can be established successfully using bearer class X. AAL parameters are not present	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOB-X, - BTC: 000 1100 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT QoS: - Unspecified QoS class For CONNECT: ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT	
Comments:		
Pre-test-condition:	En bloc sending is used	

5.2.6.2 Unsuccessful Call Setup (UCS)/Bearer Services (BSE)

1.2.7.2.1	Ref. to EN 301 068-1 [21] / clause 3	Other relevant ref.: ETS 300 443-1 [1], EN 301 068-1 [21], EN 301 067-1 [22]
TSS reference:	B_ISDN/BCA/ CS2.1/ABR/UCS/BSE	
Selection criteria:		
Test purpose:	To verify that a Basic call that includes ABR parameters using bearer class C is released by the destination user with Release, cause #47	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOB-C, - BTC: 000 1100 - Not susceptible to clipping, - User plane connection configuration: point-to-point: 00 AAL Parameters: - AAL type 5 - Forward maximum CPCS-SDU size: acc. to IXIT - Backward maximum CPCS-SDU size: acc. to IXIT - SSCS-type ABR Setup Parameters: - Forward ABR initial cell rate (CLP = 0+1): acc. to IXIT - Backw. ABR initial cell rate (CLP = 0+1): acc. to IXIT - Forward ABR transient buffer exposure: acc. to IXIT - Backward ABR transient buffer exposure: acc. to IXIT - Cumulative RM fixed round-trip time: acc. to IXIT - Forward rate increase factor: acc. to IXIT - Backward rate increase factor: acc. to IXIT - Forward rate decrease factor: acc. to IXIT - Backward rate decrease factor: acc. to IXIT ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) - Forward ABR minimum cell rate (CLP=0+1): acc. to IXIT - Backward ABR minimum cell rate (CLP=0+1): acc. to IXIT QoS: - Unspecified QoS class	
Comments:		
Pre-test-condition:	The destination user is not able to provide the PCR with a value greater than or equal to MCR requested by the originating user	

5.3 Interworking of B-ISDN with N-ISDN (IW)

5.3.1 Basic Call (BCA)

5.3.1.1 B-ISDN to N-ISDN Calls (BNC)/Normal Connection (NCO)

2.1.1.1.1a/b	**Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.2.1**	**Other relevant ref.:**
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (3,1 kHz audio) can be established successfully between B-ISDN (originator) and N-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - 3,1 kHz Audio - Circuit mode - 64 kbit/s - A-law QoS: - Unspecified QoS class a) B-SCI:	
Node-to-Node cross-reference		
Comments:	**3,1 kHz audio call from B-ISDN to N-ISDN**	
Pre-test-condition:	a) En bloc sending is used. b) Overlap sending is used. (This test only, if B-ISUP also supports overlap sending) The called party answers with ALERT followed by CONNECT message.	

2.1.1.1.2	**Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.2.2**	**Other relevant ref.:**
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (unrestricted digital information) can be established successfully between B-ISDN (originator) and N-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI	
Node-to-Node cross-reference		
Comments:	**Unrestricted digital information call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message	

2.1.1.1.3	Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.2.3	Other relevant ref.:
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (telephony) can be established successfully between B-ISDN (originator) and N-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - Speech - Circuit mode - 64 kbit/s - A-law N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Telephony call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.1.1.4	Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.2.4	Other relevant ref.:
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (videotelephony/first call) can be established successfully between B-ISDN (originator) and N-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descrip.: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI T/A - Circuit mode - 64 kbit/s - ITU-T Recommendation H.221 [27] and H.242 [28] N-HLC: - Videotelephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Videotelephony call first call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.1.1.5	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (videotelephony/second call) can be established successfully between B-ISDN (originator) and N-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s N-HLC: - Videotelephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Videotelephony call second call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.1.1.6	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (telefax G4) can be established successfully between B-ISDN (originator) and N-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s N-HLC: - Group 4 class 1 facsimile N-LLC: - acc. ETR 018 [31] clause 7.3.2.1 QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Telefax Group 4 call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.1.1.7	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (Telephony 7 kHz) can be established successfully between B-ISDN (originator) and N-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI T/A - Circuit mode - 64 kbit/s - ITU-T Recommendation H.221 [27] and H.242 [28] N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Telephony 7 kHz call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.1.1.8	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/BNC/NCO	
Selection criteria:		
Test purpose:	To verify that a call for an N-ISDN service (facsimile group 2/3) can be established successfully between B-ISDN (originator) and N-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - 3,1 kHz audio - Circuit mode - 64 kbit/s, A-law N-HLC: - Facsimile Group 2/3 QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Facsimile Group 2/3 call from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

5.3.1.2 B-ISDN to N-ISDN Calls (BNC)/Unsuccessful Call Setup (UCS)

2.1.1.2.1	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 1 when an unallocated number is dialled.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #1 (unallocated number) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used.	

2.1.1.2.2	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 3 when there is no route to destination.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #3 (no route to destination) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.1.2.3	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 17 if the called party is busy	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #17 (user busy) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.1.2.4	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 18 if there is no response from the called party	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #18 (no user responding) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.1.2.5	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 19 when the T9/Q.764 or the local network timer T 301 expired	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL for voice ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - Speech - Circuit mode - 64 kbit/s - A-law N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #19 (no answer from user (user alerted)) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party sends ALERT but no CONNECT or RELEASE and a "wait for answer"-network timer expires	

2.1.1.2.6	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 21 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #21 (call rejected) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party rejects the call with RELEASE COMPLETE	

2.1.1.2.7	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 22 when the dialled number has changed	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #22 (number changed) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.1.2.8	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 28 when the dialled number was incomplete	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #28 (invalid number format (address incomplete)) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.1.2.9	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 88 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - UDI - Circuit mode - 64 kbit/s QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #88 (incompatible destination) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party is incompatible and answers with RELEASE COMPLETE	

5.3.1.3 B-ISDN to N-ISDN Calls (BNC)/Normal Call Release (NCR)

2.1.1.3.1	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/NCR	
Selection criteria:		
Test purpose:	To verify that the calling party can release the call successfully before answer and that the cause #16 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL for voice ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - Speech - Circuit mode - 64 kbit/s - A-law N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #16 (normal call clearing) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT. The calling party sends a RELEASE after receiving an ALERT	

2.1.1.3.2	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/NCR	
Selection criteria:		
Test purpose:	To verify that the calling party can release the call successfully after answer and that the cause #16 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL for voice ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - Speech - Circuit mode - 64 kbit/s - A-law N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #16 (normal call clearing) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT and CONNECT. The calling party sends a RELEASE after receiving a CONNECT	

2.1.1.3.3	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/BNC/NCR	
Selection criteria:		
Test purpose:	To verify that the called party can release the call successfully after answer and that the cause #16 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: AAL Parameters: - AAL for voice ATM Traffic Descriptor: - Equal to 64 kbit/s B-BC: - BCOBA - Susceptible to clipping N-BC: - Speech - Circuit mode - 64 kbit/s - A-law N-HLC: - Telephony QoS: - Unspecified QoS class B-SCI:	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #16 (normal call clearing) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT and CONNECT followed by a DISCONNECT	

5.3.1.4 N-ISDN to B-ISDN Calls (NBC)/Normal Connection (NCO)

2.1.2.1.1	Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.3.1	Other relevant ref.:
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (3,1 kHz audio) can be established successfully between N-ISDN (originator) and B-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - 3,1 kHz Audio - Circuit mode - 64 kbit/s - A-law	
Node-to-Node cross-reference		
Comments:	**3.1 kHz audio call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.2	Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.3.1	Other relevant ref.:
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (unrestricted digital information) can be established successfully between N-ISDN (originator) and B-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Unrestricted digital information call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.3	Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.3.2	Other relevant ref.:
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (telephony) can be established successfully between N-ISDN (originator) and B-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - Speech - Circuit mode - 64 kbit/s - A-Law HLC: - Telephony	
Node-to-Node cross-reference		
Comments:	**Telephony call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.4	Ref. to ETS 300 443-1 [1] / clause 6 / annex E clause E.3.4	Other relevant ref.:
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (videotelephony/first call) can be established successfully between N-ISDN (originator) and B-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI T/A - Circuit mode - 64 kbit/s - ITU-T Recommendation H.221 [27] and H.242 [28] HLC: - Videotelephony	
Node-to-Node cross-reference		
Comments:	**Videotelephony call first call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.5	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (videotelephony/second call) can be established successfully between N-ISDN (originator) and B-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s HLC: - Videotelephony	
Node-to-Node cross-reference		
Comments:	**Videotelephony call second call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.6	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (telefax G4) can be established successfully between N-ISDN (originator) and B-ISDN.	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s HLC: - Group 4 class 1 facsimile LLC: - acc. ETR 018 [31] clause 7.3.2.1	
Node-to-Node cross-reference		
Comments:	**Telefax Group 4 call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.7	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (telephony 7 kHz) can be established successfully between N-ISDN (originator) and B-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI T/A - Circuit mode - 64 kbit/s - ITU-T Recommendation H.221 [27] and H.242 [28] HLC: - Telephony	
Node-to-Node cross-reference		
Comments:	**Telephony 7 kHz call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

2.1.2.1.8	Ref. to ETS 300 443-1 [1] / clause 6 / annex E	Other relevant ref.: EG 201 018 [5]
TSS reference:	B_ISDN/IW/BCA/NBC/NCO	
Selection criteria:		
Test purpose:	To verify that an N-ISDN call (facsimile group 2/3) can be established successfully between N-ISDN (originator) and B-ISDN	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - 3,1 kHz audio - Circuit mode - 64 kbit/s - A-law HLC: - Facsimile Group 2/3	
Node-to-Node cross-reference		
Comments:	**Facsimile Group 2/3 call from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT followed by CONNECT message.	

5.3.1.5 N-ISDN to B-ISDN Calls (NBC)/Unsuccessful Call Setup (UCS)

2.1.2..2.1	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 1 when an unallocated number is dialled	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #1 (unallocated number) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used.	

2.1.2.2.2	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 3 when there is no route to destination	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #3 (no route to destination) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.2.2.3	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 17 if the called party is busy	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #17 (user busy) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.2.2.4	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 18 if there is no response from the called party	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #18 (no user responding) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.2.2.5	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 19 when the T9/Q.764 or the local network timer T 301 expired	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - Speech - Circuit mode - 64 kbit/s - A-Law HLC: - Telephony	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #19 (no answer from user (user alerted)) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party sends ALERT but no CONNECT or RELEASE and a "wait for answer"-network timer expires	

2.1.2.2.6	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 21 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #21 (call rejected) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party rejects the call with RELEASE COMPLETE	

2.1.2.2.7	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 22 when the dialled number has changed	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #22 (number changed) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.2.2.8	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully using cause # 28 when the dialled number was incomplete	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #28 (invalid number format (address incomplete)) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used	

2.1.2.2.9	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/UCS	
Selection criteria:		
Test purpose:	To verify that a Basic call will be released successfully and that the cause # 88 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - UDI - Circuit mode - 64 kbit/s	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #88 (incompatible destination) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party is incompatible and answers with RELEASE COMPLETE	

5.3.1.6 N-ISDN to B-ISDN Calls (NBC)/Normal Call Release (NCR)

2.1.2.3.1	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/NCR	
Selection criteria:		
Test purpose:	To verify that the calling party can release the call successfully before answer and that the cause #16 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - Speech - Circuit mode - 64 kbit/s - A-Law HLC: - Telephony	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #16 (normal call clearing) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT. The calling party sends a DISCONNECT after receiving an ALERT	

2.1.2.3.2	Ref. to ETS 300 443-1 [1] / clause 6.3.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/NCR	
Selection criteria:		
Test purpose:	To verify that the calling party can release the call successfully after answer and that the cause #16 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - Speech - Circuit mode - 64 kbit/s - A-Law HLC: - Telephony	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #16 (normal call clearing) from N-ISDN to B-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT and CONNECT. The calling party sends a DISCONNECT after receiving a CONNECT	

2.1.2.3.3	Ref. to ETS 300 443-1 [1] / clause 6.4.5	Other relevant ref.: ETS 300 685 [4]
TSS reference:	B_ISDN/IW/BCA/NBC/NCR	
Selection criteria:		
Test purpose:	To verify that the called party can release the call successfully after answer and that the cause #16 is transported transparently	
Configuration:	Configuration 3	
Parameter values:	For SETUP: BC: - Speech - Circuit mode - 64 kbit/s - A-Law HLC: - Telephony	
Node-to-Node cross-reference		
Comments:	**Mapping of cause value #16 (normal call clearing) from B-ISDN to N-ISDN**	
Pre-test-condition:	En bloc sending is used. The called party answers with ALERT and CONNECT followed by a RELEASE	

5.3.2 Supplementary Services (SS)

5.3.2.1 B-ISDN to N-ISDN calls (BNC)/Calling Line Identification Presentation (CLIP)

NOTE: The network options for CLIP must be taken into account (type of number, addressing/numbering plan identification).

2.2.1.1.1	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) without calling party sub-address is present at the destination access. The origination access provides a wrong calling party number	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - wrong calling party number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - network provided without calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange. Origination access provides a wrong calling party number	

2.2.1.1.2	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) without calling party sub-address is present at the destination access. The origination access provides no calling party number	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - no calling party number	
Node-to-Node cross-reference		
Comments:	CLIP - network provided without calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange. Origination access provides no calling party number	

2.2.1.1.3	Ref. to ETS 300 092-1 [6] / clause 3.	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) including calling party sub-address are present at the destination access. The origination access provides no calling party number but calling party subaddress	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - no calling party number Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - network provided with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

2.2.1.1.4	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, verified and passed) is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

2.2.1.1.5	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, verified and passed) including calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and passed with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

2.2.1.1.6	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, not screened) including the calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

2.2.1.1.7	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, not screened) including the calling party sub-address are present at the destination access. The second calling party number i. e. (network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service is supported at the destination exchange but not the "Two-calling party number information elements delivery option"	

2.2.1.1.8	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, verified and failed) including the calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - **incorrect** number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and failed with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is **not** supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

2.2.1.1.9	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, not screened) including the calling party sub-address are present at the destination access and that both numbers are presented in the international format	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened, **international call** with calling party sub-address.	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

2.2.1.1.10	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIP	
Selection criteria:		
Test purpose:	To verify that CLI (user provided, not screened) including the calling party sub-address are present at the destination access in the international format. The second calling party number i. e. (network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened, **international call** with calling party sub-address.	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service is supported at the destination exchange but not the "Two-calling party number information elements delivery option"	

5.3.2.2 B-ISDN to N-ISDN calls (BNC)/Calling Line Identification Restriction (CLIR)

2.2.1.2.1	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number i. e. (network provided) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - wrong calling party number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a wrong calling party number and no calling party sub-address i.e.	

2.2.1.2.2	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number i. e. (network provided) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - no calling party number	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides no calling party number and no calling party sub-address i.e.	

2.2.1.2.3	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number i. e. (network provided) without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - no calling party number Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides no calling party number but a calling party sub-address i.e.	

2.2.1.2.4	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number i. e. (user provided, verified and passed) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a correct calling party number but no calling party sub-address i.e.	

2.2.1.2.5	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number i. e. (user provided, verified and passed) without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a correct calling party number and a calling party sub-address i.e.	

2.2.1.2.6	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that a calling party number i. e. (network provided) and an additional calling party number i. e. (user provided, not screened) both without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested CLIR service and the "No screening function" are supported at the origination exchange. The "Two-calling party number information elements delivery option" is supported at the destination exchange	

2.2.1.2.7	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CLIR	
Selection criteria:		
Test purpose:	To verify that a calling party number i. e. (user provided, not screened) without any number digits and no calling party sub-address i. e. are present at the destination access. The second calling party number i. e. (network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested CLIR service and the "No screening function" are supported at the origination exchange. The "Two-calling party number information elements delivery option" is not supported at the destination exchange	

5.3.2.3 B-ISDN to N-ISDN calls (BNC)/Connected Line Identification Presentation (COLP)

NOTE: The network options for COLP must be taken into account (type of number, addressing/numbering plan identification).

2.2.1.3.1	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (network provided) is present at the origination access. The destination access provides a wrong connected number	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - wrong connected number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a wrong connected number	

2.2.1.3.2	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (network provided) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - no connected number	
Node-to-Node cross-reference		
Comments:	COLP - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides no connected number	

2.2.1.3.3	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (network provided) and the Connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - no connected number Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - network provided with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides no connected number but a connected sub-address	

2.2.1.3.4	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (user provided, verified and passed) and the Connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, verified and passed with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address	

2.2.1.3.5	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (user provided, verified and passed) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number but no connected sub-address	

2.2.1.3.6	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (user provided, not screened) including the Connected sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, not screened with connected sub-address.	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address. The "No screening function" is supported at the destination exchange	

2.2.1.3.7	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number i.e. (user provided, not screened) is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, not screened.	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number but no connected sub-address. The "No screening function" is supported at the destination exchange	

5.3.2.4 B-ISDN to N-ISDN calls (BNC)/Connected Line Identification Restriction (COLR)

NOTE: The network options for COLR must be taken into account (type of number, addressing/numbering plan identification, screening indicator).

2.2.1.4.1	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) without any number digits is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - wrong connected number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a wrong connected number	

2.2.1.4.2	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) without any number digits is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - no connected number	
Node-to-Node cross-reference		
Comments:	COLR - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides no connected number	

2.2.1.4.3	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) is present without any number digits and the Connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - no connected number Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - network provided	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides no connected number but a connected sub-address	

2.2.1.4.4	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, verified and passed) is present without any number digits and the Connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - user provided, verified and passed with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a connected number and a connected sub-address	

2.2.1.4.5	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, not screened) is present without any number digits and the Connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - user provided, not screened with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a correct connected number and a connected sub-address. The "No screening function" is supported at the destination exchange	

5.3.2.5 B-ISDN to N-ISDN calls (BNC)/Sub-addressing (SUB)

2.2.1.5.1	Ref. to ETS 300 667-1 [18] / clause 8	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/SUB	
Selection criteria:		
Test purpose:	To verify that the Called party sub-address i.e. is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Called party sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	SUB - called party sub-address	
Pre-test-condition:	En bloc sending is used. The requested SUB service is supported at the destination exchange	

2.2.1.5.2	Ref. to ETS 300 667-1 [18] / clause 8	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/SUB	
Selection criteria:		
Test purpose:	To verify that the Calling party number (i.e. user provided, verified and passed), the Calling party sub-address i.e and the Called party sub-address i.e. are present at the destination access and that the connected number i.e. (user provided, verified and passed) and the connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT Called party sub-address: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	SUB - combined	
Pre-test-condition:	En bloc sending is used. The requested SUB service is supported at the destination exchange. The requested CLIP service is supported at the destination exchange. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address	

5.3.2.6 B-ISDN to N-ISDN calls (BNC)/User-to-user signalling (UUS)

(UUS service 1 implicit request).

2.2.1.6.1	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP message is successfully transported and present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP.	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination exchange	

2.2.1.6.2	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the ALERT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.1.6.3	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the CONNECT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/CONNECT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.1.6.4	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and in the ALERT and CONNECT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT/CONNECT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.1.6.5	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE messages are successfully transported and present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. Calling party released the call	

2.2.1.6.6	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE.	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. Called party released the call	

2.2.1.6.7	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP, the ALERT, the CONNECT and the RELEASE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT/CONNECT/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.1.6.8	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE COMPLETE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT User-user: - acc. to IXIT For RELEASE COMPLETE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE COMPLETE.	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. No ALERT or CONNECT are sent prior RELEASE COMPLETE	

5.3.2.7 B-ISDN to N-ISDN calls (BNC)/Closed User Group (CUG)

NOTE: The network options for CUG have to be considered. There may be more than one CUG available at the originating access.

2.2.1.7.1	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.2	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.3	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access that is not member of any CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. The called access does not belong any CUG. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.4	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access which belongs to a network that does not support the CUG supplementary service	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination network does support CUG	

2.2.1.7.5	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a different CUG but with IA (incoming access) allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.6	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55 (#19 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.7	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.8	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.9	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.10	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55 (#19 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.11	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with IA allowed and ICB will be rejected with a Release, cause # 55 (#19 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.12	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.13	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a different CUG but with IA allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.14	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access that is not member of any CUG will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Only the origination access belongs to a CUG. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.15	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access which belongs to a network that does not support the CUG supplementary service will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination access belongs to a CUG	

2.2.1.7.16	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.17	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.18	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access that is not member of any CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. The called access does not belong any CUG	

2.2.1.7.19	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access which belongs to a network that does not support the CUG supplementary service	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination network does support CUG	

2.2.1.7.20	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CUG but with IA (incoming access) allowed could be successfully established.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA, - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. In the case of an international call administrative arrangements concerning the interlock code are required.	

2.2.1.7.21	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55 (#19 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.22	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.23	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.24	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.25	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55 (#19 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.26	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a same CUG but with IA allowed and ICB will be rejected with a Release, cause # 55 (#19 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.27	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.28	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a different CUG but with IA allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.29	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access that is not member of any CUG will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Only the origination access belongs to a CUG. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.1.7.30	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access which belongs to a network that does not support the CUG supplementary service will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination access belongs to a CUG	

2.2.1.7.31	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that a non-CUG call towards a CUG access with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	non-CUG towards CUG destination	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the destination exchange. Only the destination access is a member of a CUG and IA allowed is installed	

2.2.1.7.32	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that a non-CUG call towards a CUG access with IA not allowed will be rejected with a Release, cause # 87 (#20 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	non-CUG towards CUG destination	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the destination exchange. Only the destination access is a member of a CUG and IA not allowed is installed	

2.2.1.7.33	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA not allowed will be rejected with a Release, cause # 87 (#17 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.1.7.34	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA not allowed will be rejected with a Release, cause # 87 (#17 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.1.7.35	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA allowed will be rejected with a Release, cause # 87 (#17 at N-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.1.7.36	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.1.7.37	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/BNC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with an N-ISDN service which is not registered in any CUG and with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: B-BC: - BCOBA - Susceptible to clipping ATM Traffic Descriptor: - Equal to 64 kbit/s QoS: - Unspecified QoS class AAL Parameters: - AAL 1 N-BC: - acc. to IXIT CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this and any other interlock code	

5.3.2.8 N-ISDN to B-ISDN calls (NBC)/Calling Line Identification Presentation (CLIP)

NOTE: The network options for CLIP must be taken into account (type of number, addressing/numbering plan identification).

2.2.2.1.1	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) without calling party sub-address is present at the destination access. The origination access provides a wrong calling party number	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - wrong calling party number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - network provided without calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange. Origination access provides a wrong calling party number	

2.2.2.1.2	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) without calling party sub-address is present at the destination access. The origination access provides no calling party number	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - no calling party number	
Node-to-Node cross-reference		
Comments:	CLIP - network provided without calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange. Origination access provides no calling party number	

2.2.2.1.3	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) including calling party sub-address are present at the destination access. The origination access provides no calling party number but calling party subaddress	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - no calling party number Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - network provided with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

2.2.2.1.4	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, verified and passed) is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

2.2.2.1.5	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, verified and passed) including calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and passed with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

2.2.2.1.6	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, not screened) including the calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

2.2.2.1.7	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, not screened) including the calling party sub-address are present at the destination access. The second calling party number i. e. (network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service is supported at the destination exchange but not the "Two-calling party number information elements delivery option"	

2.2.2.1.8	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, verified and failed) including the calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - **incorrect** number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and failed with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is **not** supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

2.2.2.1.9	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, not screened) including the calling party sub-address are present at the destination access and that both numbers are presented in the international format	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened, **international call** with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

2.2.2.1.10	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIP	
Selection criteria:		
Test purpose:	To verify that CLI (user provided, not screened) including the calling party sub-address are present at the destination access in the international format. The second calling party number i. e. (network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened, **international call** with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service is supported at the destination exchange but not the "Two-calling party number information elements delivery option"	

5.3.2.9 N-ISDN to B-ISDN calls (NBC)/Calling Line Identification Restriction (CLIR)

2.2.2.2.1	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. network provided) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - wrong calling party number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a wrong calling party number and no calling party sub-address i.e.	

2.2.2.2.2	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. network provided) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - no calling party number	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides no calling party number and no calling party sub-address i.e.	

2.2.2.2.3	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. network provided) without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - no calling party number Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides no calling party number but a calling party sub-address i.e.	

2.2.2.2.4	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. user provided, verified and passed) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a correct calling party number but no calling party sub-address i.e.	

2.2.2.2.5	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. user provided, verified and passed) without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a correct calling party number and a calling party sub-address i.e.	

2.2.2.2.6	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that a calling party number (i.e. network provided) and an additional calling party number i. e. (user provided, not screened) both without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested CLIR service and the "No screening function" are supported at the origination exchange. The "Two-calling party number information elements delivery option" is supported at the destination exchange	

2.2.2.2.7	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CLIR	
Selection criteria:		
Test purpose:	To verify that a calling party number (i.e. user provided, not screened) without any number digits and no calling party sub-address i. e. are present at the destination access. The second calling party number i. e. (network provided) is not present at the destination access.	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-addr.: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested CLIR service and the "No screening function" are supported at the origination exchange. The "Two-calling party number information elements delivery option" is not supported at the destination exchange	

5.3.2.10 N-ISDN to B-ISDN calls (NBC)/Connected Line Identification Presentation (COLP)

NOTE: The network options for COLP must be taken into account (type of number, addressing/numbering plan identification).

2.2.2.3.1	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) is present at the origination access. The destination access provides a wrong connected number	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - wrong connected number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a wrong connected number	

2.2.2.3.2	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - no connected number	
Node-to-Node cross-reference		
Comments:	COLP - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides no connected number	

2.2.2.3.3	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) and the Connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - no connected number Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - network provided with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides no connected number but a connected sub-address	

2.2.2.3.4	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, verified and passed) and the Connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, verified and passed with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address	

2.2.2.3.5	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, verified and passed) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number but no connected sub-address	

2.2.2.3.6	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, not screened) including the Connected sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, not screened with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address. The "No screening function" is supported at the destination exchange	

2.2.2.3.7	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLP	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, not screened) is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, not screened.	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number but no connected sub-address. The "No screening function" is supported at the destination exchange	

5.3.2.11 N-ISDN to B-ISDN calls (NBC)/Connected Line Identification Restriction (COLR)

NOTE: The network options for COLR must be taken into account (type of number, addressing/numbering plan identification, screening indicator).

2.2.2.4.1	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) without any number digits is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - wrong connected number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a wrong connected number	

2.2.2.4.2	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) without any number digits is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - no connected number	
Node-to-Node cross-reference		
Comments:	COLR - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides no connected number	

2.2.2.4.3	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. network provided) is present without any number digits and the Connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - no connected number Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - network provided	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides no connected number but a connected sub-address	

2.2.2.4.4	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, verified and passed) is present without any number digits and the Connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - user provided, verified and passed with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a connected number and a connected sub-address	

2.2.2.4.5	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/COLR	
Selection criteria:		
Test purpose:	To verify that the Connected number (i.e. user provided, not screened) is present without any number digits and the Connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - user provided, not screened with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a correct connected number and a connected sub-address. The "No screening function" is supported at the destination exchange	

5.3.2.12 N-ISDN to B-ISDN calls (NBC)/Sub-addressing (SUB)

2.2.2.5.1	Ref. to ETS 300 667-1 [18] / clause 8	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/SUB	
Selection criteria:		
Test purpose:	To verify that the Called party sub-address i.e. is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Called party sub-address: acc. to IXIT	
Node-to-Node cross-reference		
Comments:	SUB - called party sub-address	
Pre-test-condition:	En bloc sending is used. The requested SUB service is supported at the destination exchange	

2.2.2.5.2	Ref. to ETS 300 667-1 [18] / clause 8	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/SUB	
Selection criteria:		
Test purpose:	To verify that the Calling party number (i.e. user provided, verified and passed), the Calling party sub-address i.e and the Called party sub-address i.e. are present at the destination access and that the connected number (i.e. user provided, verified and passed) and the connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT Called party sub-address: - acc. to IXIT For CONNECT: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	SUB - combined	
Pre-test-condition:	En bloc sending is used. The requested SUB service is supported at the destination exchange. The requested CLIP service is supported at the destination exchange. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address	

5.3.2.13 N-ISDN to B-ISDN calls (NBC)/User-to-user signalling (UUS)

(UUS service 1 implicit request)

2.2.2.6.1	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP message is successfully transported and present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination exchange	

2.2.2.6.2	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the ALERT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.2.6.3	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the CONNECT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/CONNECT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.2.6.4	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and in the ALERT and CONNECT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT/CONNECT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.2.6.5	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE messages are successfully transported and present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. Calling party released the call	

2.2.2.6.6	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. Called party released the call	

2.2.2.6.7	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP, the ALERT, the CONNECT and the RELEASE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT/CONNECT/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

2.2.2.6.8	Ref. to ETS 300 668-1 [19]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE COMPLETE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT User-user: - acc. to IXIT For RELEASE COMPLETE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE COMPLETE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. No ALERT or CONNECT are sent prior RELEASE COMPLETE	

5.3.2.14 N-ISDN to B-ISDN calls (NBC)/Closed User Group (CUG)

NOTE: The network options for CUG have to be considered. There may be more than one CUG available at the originating access.

2.2.2.7.1	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.2	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.3	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access that is not member of any CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. The called access does not belong any CUG. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.4	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access which belongs to a network that does not support the CUG supplementary service	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination network does support CUG	

2.2.2.7.5	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a different CUG but with IA (incoming access) allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.6	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause #29 (#55 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.7	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause #29 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.8	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.9	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.10	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause #29 (#55 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.11	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with IA allowed and ICB will be rejected with a Release, cause #29 (#55 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.12	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause #29 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.13	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a different CUG but with IA allowed will be rejected with a Release, cause #29 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.14	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access that is not member of any CUG will be rejected with a Release, cause #29 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Only the origination access belongs to a CUG. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.15	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access which belongs to a network that does not support the CUG supplementary service will be rejected with a Release, cause #29 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination access belongs to a CUG	

2.2.2.7.16	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.17	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.18	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access that is not member of any CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. The called access does not belong any CUG	

2.2.2.7.19	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access which belongs to a network that does not support the CUG supplementary service	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination network does support CUG	

2.2.2.7.20	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CUG but with IA (incoming access) allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.21	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause #29 (#55 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.22	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause #87 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.23	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.24	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.25	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause #29 (#55 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.26	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a same CUG but with IA allowed and ICB will be rejected with a Release, cause #29 (#55 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.27	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause #87 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.28	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a different CUG but with IA allowed will be rejected with a Release, cause #87 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.29	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access that is not member of any CUG will be rejected with a Release, cause #87 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Only the origination access belongs to a CUG. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

2.2.2.7.30	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access which belongs to a network that does not support the CUG supplementary service will be rejected with a Release, cause #87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination access belongs to a CUG	

2.2.2.7.31	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that a non-CUG call towards a CUG access with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	non-CUG towards CUG destination	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the destination exchange. Only the destination access is a member of a CUG and IA allowed is installed	

2.2.2.7.32	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that a non-CUG call towards a CUG access with IA not allowed will be rejected with a Release, cause #87 (#87 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	non-CUG towards CUG destination	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the destination exchange. Only the destination access is a member of a CUG and IA not allowed is installed	

2.2.2.7.33	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA not allowed will be rejected with a Release, cause #29 (#29 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.2.7.34	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA not allowed will be rejected with a Release, cause #29 (#29 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.2.7.35	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA allowed will be rejected with a Release, cause #29 (#29 at B-ISDN)	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.2.7.36	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with an inappropriate N-ISDN service and with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this interlock code	

2.2.2.7.37	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: Q.2660 [13]
TSS reference:	B_ISDN/IW/SS/NBC/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with an N-ISDN service which is not registered in any CUG and with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: BC, HLC, LLC: - acc. to IXIT Facility: - CUG Call Invoke - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required. The requested N-ISDN service is not registered for this and any other interlock code	

5.4 Supplementary Services (SS)

5.4.1 Calling Line Identification Presentation (CLIP)

NOTE: The network options for CLIP must be taken into account (type of number, addressing/numbering plan identification).

3.1.1	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) without calling party sub-address is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - wrong calling party number acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - network provided without calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange. Origination access provides a wrong calling party number	

3.1.2	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) without calling party sub-address is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - no calling party number QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - network provided without calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange. Origination access provides no calling party number	

3.1.3	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the calling party number parameter CLI (network provided) including calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - no calling party number Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - network provided with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

3.1.4	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, verified and passed) is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

3.1.5	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, verified and passed) including calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and passed with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The requested CLIP service is supported at the destination exchange	

3.1.6	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, not screened) including the calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

3.1.7	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (user provided, not screened) including the calling party sub-address are present at the destination access. The second calling party number (i.e. network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service is supported at the destination exchange but not the "Two-calling party number information elements delivery option"	

3.1.8	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, verified and failed) including the calling party sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - **incorrect** number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, verified and failed with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is **not** supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

3.1.9	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that the CLI (network provided) and the additional CLI (user provided, not screened) including the calling party sub-address are present at the destination access and that both numbers are presented in the international format	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened, international call with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service and the "Two-calling party number information elements delivery option" are supported at the destination exchange	

3.1.10	Ref. to ETS 300 092-1 [6] / clause 3	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIP	
Selection criteria:		
Test purpose:	To verify that CLI (user provided, not screened) including the calling party sub-address are present at the destination access in the international format. The second calling party number i. e. (network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIP - user provided, not screened, international call with calling party sub-address	
Pre-test-condition:	En bloc sending is used. The "No screening function" is supported at the originating exchange. The requested CLIP service is supported at the destination exchange but not the "Two-calling party number information elements delivery option"	

5.4.2 Calling Line Identification Restriction (CLIR)

3.2.1	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. network provided) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - wrong calling party number acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a wrong calling party number and no calling party sub-address i.e.	

3.2.2	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. network provided) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - no calling party number QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides no calling party number and no calling party sub-address i.e.	

3.2.3	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number i. e. (network provided) without any number digits and no calling party sub-address i. e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - no calling party number Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - network provided	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides no calling party number but a calling party sub-address i.e.	

3.2.4	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. user provided, verified and passed) without any number digits is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a correct calling party number but no calling party sub-address i.e.	

3.2.5	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. user provided, verified and passed) without any number digits and no calling party sub-address i.e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested CLIR service is supported at the origination exchange. Origination access provides a correct calling party number and a calling party sub-address i.e.	

3.2.6	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that a calling party number (i.e. network provided) and an additional calling party number (i.e. user provided, not screened) both without any number digits and no calling party sub-address i.e. are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested CLIR service and the "No screening function" are supported at the origination exchange. The "Two-calling party number information elements delivery option" is supported at the destination exchange	

3.2.7	Ref. to ETS 300 093-1 [7] / clause 4	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CLIR	
Selection criteria:		
Test purpose:	To verify that a calling party number (i.e. user provided, not screened) without any number digits and no calling party sub-address i.e. are present at the destination access. The second calling party number (i.e. network provided) is not present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CLIR - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested CLIR service and the "No screening function" are supported at the origination exchange. The "Two-calling party number information elements delivery option" is not supported at the destination exchange	

5.4.3 Connected Line Identification Presentation (COLP)

NOTE: The network options for COLP must be taken into account (type of number, addressing/numbering plan identification).

3.3.1	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. network provided) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - wrong connected number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a wrong connected number	

3.3.2	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. network provided) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - no connected number	
Node-to-Node cross-reference		
Comments:	COLP - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides no connected number	

3.3.3	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. network provided) and the connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - no connected number Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - network provided with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides no connected number but a connected sub-address	

3.3.4	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. user provided, verified and passed) and the connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, verified and passed with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address	

3.3.5	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. user provided, verified and passed) is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - correct connected number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, verified and passed	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number but no connected sub-address	

3.3.6	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. user provided, not screened) including the connected sub-address are present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, not screened with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address. The "No screening function" is supported at the destination exchange	

3.3.7	Ref. to ETS 300 097-1 [8] / clause 5	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLP	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. user provided, not screened) is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - correct connected number (user provided) acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLP - user provided, not screened	
Pre-test-condition:	En bloc sending is used. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number but no connected sub-address. The "No screening function" is supported at the destination exchange	

5.4.4 Connected Line Identification Restriction (COLR)

NOTE: The network options for COLR must be taken into account (type of number, addressing/numbering plan identification, screening indicator).

3.4.1	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLR	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. network provided) without any number digits is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - wrong connected number acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a wrong connected number	

3.4.2	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLR	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. network provided) without any number digits is present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - no connected number	
Node-to-Node cross-reference		
Comments:	COLR - network provided without connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides no connected number	

3.4.3	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLR	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. network provided) is present without any number digits and the connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - no connected number Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - network provided	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides no connected number but a connected sub-address	

3.4.4	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLR	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. user provided, verified and passed) is present without any number digits and the connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - user provided, verified and passed with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a connected number and a connected sub-address	

3.4.5	Ref. to ETS 300 098-1 [9] / clause 6	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/COLR	
Selection criteria:		
Test purpose:	To verify that the connected number (i.e. user provided, not screened) is present without any number digits and the connected sub-address i.e. is not present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class For Connect: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	COLR - user provided, not screened with connected sub-address	
Pre-test-condition:	En bloc sending is used. The requested COLR service is supported at the destination exchange. Destination access provides a correct connected number and a connected sub-address. The "No screening function" is supported at the destination exchange	

5.4.5 Sub-addressing (SUB)

3.5.1	Ref. to ETS 300 667-1 [18] / clause 8	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/SUB	
Selection criteria:		
Test purpose:	To verify that the called party sub-address i.e. is present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class Called party sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	SUB - called party sub-address	
Pre-test-condition:	En bloc sending is used. The requested SUB service is supported at the destination exchange	

3.5.2	Ref. to ETS 300 667-1 [18] / clause 8	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/SUB	
Selection criteria:		
Test purpose:	To verify that the calling party number (i.e. user provided, verified and passed), the calling party sub-address i.e and the called party sub-address i.e. are present at the destination access and that the connected number (i.e. user provided, verified and passed) and the connected sub-address i.e. are present at the origination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA, - Susceptible to clipping QoS: - Unspecified QoS class Calling party number: - correct number (user provided) acc. to IXIT Calling party sub-address: - acc. to IXIT Called party sub-address: - acc. to IXIT For Connect: Connected number: - correct connected number (user provided) acc. to IXIT Connected sub-address: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	SUB - combined	
Pre-test-condition:	En bloc sending is used. The requested SUB service is supported at the destination exchange. The requested CLIP service is supported at the destination exchange. The requested COLP service is supported at the origination exchange. Destination access provides a correct connected number and a connected sub-address	

5.4.6 User-to-user signalling (UUS)

(UUS service 1 implicit request)

3.6.1	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP message is successfully transported and present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination exchange	

3.6.2	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the ALERT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: acc. to IXIT For ALERT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

3.6.3	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the CONNECT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: acc. to IXIT For CONNECT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/CONNECT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

3.6.4	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and in the ALERT and CONNECT messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT/CONNECT	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

3.6.5	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE messages are successfully transported and present at the destination access	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. Calling party released the call	

3.6.6	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. Called party released the call	

3.6.7	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP, the ALERT, the CONNECT and the RELEASE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: - acc. to IXIT For ALERT: User-user: - acc. to IXIT For CONNECT: User-user: - acc. to IXIT For RELEASE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/ALERT/CONNECT/RELEASE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange	

3.6.8	Ref. to ETS 300 668-1 [19]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/UUS	
Selection criteria:		
Test purpose:	To verify that the user-to-user information send in the SETUP and the RELEASE COMPLETE messages are successfully transported and present at the destination/origination access, respectively	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class User-user: - acc. to IXIT For RELEASE COMPLETE: User-user: - acc. to IXIT	
Node-to-Node cross-reference		
Comments:	UUS - SETUP/RELEASE COMPLETE	
Pre-test-condition:	En bloc sending is used. The requested UUS service is supported at the origination and destination exchange. No ALERT or CONNECT are sent prior RELEASE COMPLETE	

5.4.7 Closed User Group (CUG)

NOTE: The network options for CUG have to be considered. There may be more than one CUG available at the originating access.

3.7.1	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.2	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.3	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access that is not member of any CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. The called access does not belong any CUG	

3.7.4	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, could be successfully established to an access which belongs to a network that does not support the CUG supplementary service	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination network does support CUG	

3.7.5	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a different CUG but with IA (incoming access) allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.6	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.7	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.8	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.9	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.10	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.11	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a same CUG but with IA allowed and ICB will be rejected with a Release, cause # 55	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.12	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.13	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access in a different CUG but with IA allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.14	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access that is not member of any CUG will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Only the origination access belongs to a CUG. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.15	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (explicit request), OA not requested, to an access which belongs to a network that does not support the CUG supplementary service will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class CUG: - OA not requested - CUG index code acc. to IXIT	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (explicit request)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination access belongs to a CUG	

3.7.16	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.17	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and the destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.18	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access that is not member of any CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. The called access does not belong any CUG	

3.7.19	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, could be successfully established to an access which belongs to a network that does not support the CUG supplementary service	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination network does support CUG	

3.7.20	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CUG but with IA (incoming access) allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.21	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.22	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.23	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.24	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, could be successfully established to an access within the same CUG	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "not ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.25	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a same CUG but with IA not allowed and ICB will be rejected with a Release, cause # 55	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA not allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.26	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a same CUG but with IA allowed and ICB will be rejected with a Release, cause # 55	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Both accesses belong to the same CUG. At the destination access "IA allowed" and "ICB" are installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.27	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a different CUG but with IA not allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.28	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access in a different CUG but with IA allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. The accesses belong to the different CUGs. At the destination access "IA allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.29	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access that is not member of any CUG will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination and destination exchange. Only the origination access belongs to a CUG. At the destination access "IA not allowed" is installed. In the case of an international call administrative arrangements concerning the interlock code are required	

3.7.30	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that the CUG call (implicit request, preferential CUG), OA not requested, to an access which belongs to a network that does not support the CUG supplementary service will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	CUG - SETUP (implicit request, preferential CUG)	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the origination exchange. Only the origination access belongs to a CUG	

3.7.31	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that a non-CUG call towards a CUG access with IA allowed could be successfully established	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	non-CUG towards CUG destination	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the destination exchange. Only the destination access is a member of a CUG and IA allowed is installed	

3.7.32	Ref. to ETS 300 770-1 [20], Q.955 [32]	Other relevant ref.: ETS 300 443-1 [1] / clause 5
TSS reference:	B_ISDN/SS/CUG	
Selection criteria:		
Test purpose:	To verify that a non-CUG call towards a CUG access with IA not allowed will be rejected with a Release, cause # 87	
Configuration:	Configuration 1	
Parameter values:	For SETUP: AAL Parameters: - AAL type 1 ATM Traffic Descriptor: - PCR: acc. to IXIT - Forward peak cell rate (CLP=0+1) - Backward peak cell rate (CLP=0+1) B-BC: - BCOBA - Susceptible to clipping QoS: - Unspecified QoS class	
Node-to-Node cross-reference		
Comments:	non-CUG towards CUG destination	
Pre-test-condition:	En bloc sending is used. The requested CUG service is supported at the destination exchange. Only the destination access is a member of a CUG and IA not allowed is installed	

History

Document history		
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